

Monthly Progress Report

*REC'D
5/20/91
F.B.*

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NAME: *Ciba Geigy*
I.P. NO.: *R.D00119Y323*
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OFFICE: _____

Pursuant to: RCRA I-88-1088

Facility Site: Cranston, RI

Period Covered: April 1991 (23 March 1991 – 26 April 1991)*

Date Submitted: 10 May 1991

1.0 SUMMARY

This is the tenth monthly progress report. Twelve significant events occurred this month. These events are summarized in this section and discussed in detail in later sections of this report.

Sediment Sampling (Task 5.3). Round 2 sediment sampling was completed.

Round 1 Analyses (Task 5.7). Geotechnical analyses of the Round 1 soil and sediment samples began; reduction and interpretation of other field data continued.

Round 1 Data Validation (Task 5.8). Validation of Round 1 data was completed.

Round 2 Surface Water Sampling (Task 5.10). Round 2 surface water sampling was completed.

Round 2 Groundwater Sampling (Task 5.12). Round 2 groundwater sampling was completed.

Round 2 Analyses (Task 5.13). Round 2 sediment samples were split with the USEPA on 3/28/91. Chemical analyses of Round 2 samples continued; geotechnical analyses of Round 2 soil and sediment samples began.

Interim Report (Task 7). Drafting selected sections of the Interim Report continued.

Project Management (Task 9). A meeting with the USEPA, IT Corporation, and CIBA-GEIGY was held at the site on 3/27/91 to discuss general project issues.

Data Management (Task 10). Loading the validated Round 1 data into the project data base was completed.

*As agreed, the reporting period will be monthly through the fourth Friday of the month.



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Water Level Monitoring. Monthly groundwater level monitoring continued.

RFI Proposal. Additional copies of the Work Plan (requested by the USEPA) were forwarded on 4/11/91.

Phase IA Report. USEPA review of the Phase IA Report continued; required revisions to the Phase IA Report will be specified in a letter (forthcoming) from USEPA.

2.0 TASKS AND ACTIVITIES COMPLETED

The sampling and other activities (subtasks) that were completed are reported here.

2.1 Sampling Activities Completed

The following sampling activities were completed:

Sampling Activity	Location(s)	Date(s) Sampled	No. of Samples	Date(s) Sent for Analysis	Analysis
<i>Groundwater Sampling (Round 2)</i>					
MW-1S		4/23/91	1	4/23/91	C
MW-1D		4/23/91	1	4/23/91	C
MW-2S		4/23/91	1	4/23/91	C
MW-3S		4/19/91	1	4/19/91	C
MW-4S		4/19/91	1	4/19/91	C
MW-5S		4/22/91	1	4/22/91	C
MW-6S		4/15/91	1	4/15/91	C
MW-7S		4/17/91	1	4/17/91	C
MW-8S		4/17/91	1	4/17/91	C
MW-9S		4/19/91	1	4/19/91	C
MW-10S		4/17/91	1	4/17/91	C
MW-10D		4/17/91	1	4/17/91	C
MW-11S		4/18/91	1	4/18/91	C
MW-12S		4/22/91	1	4/22/91	C
MW-12D		4/22/91	1	4/22/91	C
MW-13S		4/22/91	1	4/22/91	C
MW-14S		4/18/91	1	4/18/91	C
MW-15S		4/18/91	1	4/18/91	C
MW-15D		4/16/91	1	4/16/91	C
MW-16S		4/22/91	1	4/22/91	C
MW-16D		4/22/91	1	4/22/91	C
MW-17S		4/15/91	1	4/15/91	C
MW-17D		4/15/91	1	4/15/91	C
MW-18S		4/18/91	1	4/18/91	C
MW-19S		4/16/91	1	4/16/91	C
RW-1		4/23/91	1	4/23/91	C
RW-2		4/17/91	1	4/17/91	C
RW-3		4/16/91	1	4/16/91	C
RW-4		4/22/91	1	4/22/91	C
<i>Surface Water Sampling (Round 2)</i>					
SW-00M		3/26/91	1	3/26/91	C
SW-01M		3/26/91	1	3/26/91	C
SW-01P		3/26/91	1	3/26/91	C
SW-04M		3/26/91	1	3/26/91	C
SW-09M		3/26/91	1	3/26/91	C
SW-20M		3/26/91	1	3/26/91	C

NOTE:

C = sample was submitted for chemical analyses

<u>Sampling Activity</u>	<u>Location(s)</u>	<u>Date(s) Sampled</u>	<u>No. of Samples</u>	<u>Date(s) Sent for Analysis</u>	<u>Analysis</u>
Sediment Sampling (Round 2)	SD-00L	3/28/91	1	3/28/91	B,C,G
	SD-01P	3/29/91	1	3/29/91	B,C,G
	SD-01R	3/28/91	1	3/28/91	B,C,G
	SD-02L	3/26/91	1	3/26/91	B,C,G
	SD-02R	3/26/91	1	3/26/91	B,C,G
	SD-03L	3/27/91	1	3/27/91	B,C,G
	SD-03R	3/28/91	1	3/28/91	B,C,G
	SD-04R	3/27/91	1	3/27/91	B,C,G
	SD-05R	3/28/91	1	3/28/91	B,C,G
	SD-07L	3/28/91	1	3/28/91	B,C,G
	SD-08M	3/27/91	1	3/27/91	B,C,G
	SD-09R	3/27/91	1	3/27/91	B,C,G
	SD-13R	3/27/91	1	3/27/91	B,C,G
	SD-16L	3/29/91	1	3/29/91	B,C,G
	SD-20M	3/29/91	1	3/29/91	B,C,G
Sediment Sampling (Delineation Samples)	SD-01A	4/3/91	4	4/3/91	C
	SD-02	4/3/91	4	4/3/91	C
	SD-02A	4/2/91	4	4/2/91	C
	SD-02B	4/1/91	4	4/1/91	C
	SD-02C	4/2/91	4	4/2/91	C
	SD-03	4/2/91	4	4/2/91	C
	SD-03A	4/2/91	4	4/2/91	C

NOTES:

B = sample was submitted for bioassay testing
 C = sample was submitted for chemical analyses
 G = sample was submitted for geotechnical analyses

2.2 Other Activities Completed

Other activities (subtasks) were completed within several tasks.

Sediment Sampling (Task 5.3). Round 2 sediment sampling was completed.

Round 1 Data Validation (Task 5.8). Validation of Round 1 data was completed.

Round 2 Surface Water Sampling (Task 5.10). Round 2 surface water sampling was completed.

Round 2 Groundwater Sampling (Task 5.12). Round 2 groundwater sampling was completed.

Round 2 Analyses (Task 5.13). Round 2 sediment samples were split with the USEPA on 3/28/91.

Project Management (Task 9). A meeting with the USEPA, IT Corporation, and CIBA-GEIGY was held at the site on 3/27/91 to discuss general project issues.

Data Management (Task 10). Loading the validated Round 1 data into the project data base was completed.

RFI Proposal. Additional copies of the Work Plan (requested by the USEPA) were forwarded on 4/11/91.

3.0 JEOPARDY TASKS (scheduled tasks not completed)

No tasks were in jeopardy as of 26 April 1991.

4.0 OTHER TASKS UNDERWAY (and on schedule)

The tasks that were underway (and on schedule as of 26 April 1991) are reported here.

Round 1 Analyses (Task 5.7). Reduction and interpretation of field data continued.

Round 2 Analyses (Task 5.13). Chemical analyses of Round 2 samples (water, soil, and sediment) continued; geotechnical analyses of Round 2 soil and sediment samples began.

Interim Report (Task 7). Drafting selected sections of the Interim Report continued.

Water Level Monitoring. Monthly groundwater level monitoring continued.

Phase IA Report. USEPA review of the Phase IA Report continued; required revisions to the Phase IA Report will be specified in a letter (forthcoming) from USEPA.

5.0 DATA OBTAINED

The sampling results and other data obtained are reported here.

5.1 Sampling Results

Analytical laboratory data from Round 1 samples have been validated and are presented in Attachment A.

5.2 Other Data Obtained

Groundwater level data have been obtained but have not yet been peer reviewed.

6.0 PROBLEM AREAS

The resolved, new, potential (i.e., anticipated or possible), and outstanding (i.e., still unresolved) problem areas are reported here.

6.1 Resolved Problem Areas

Two problem areas were resolved during this reporting period.

Geotechnical Analyses of Round 1 Sediment and Unsaturated Soil Samples Delayed

Review of the Problem. Because of conditions in the laboratory's lease, geotechnical analyses of the Round 1 sediment and unsaturated soil samples could not be conducted at the laboratory originally selected.

Resolution. Another geotechnical laboratory was selected; samples from both Rounds 1 and 2 were submitted for immediate analysis. The results for the Round 1 samples will be delayed beyond the date originally scheduled; the results for Round 2 should be available on schedule.

Chemical Analyses of Round 2 Samples Could Be Delayed

Review of the Problem. The project's analytical laboratory had indicated that the turnaround time for chemical analyses of the Round 2 samples could be 8 or 9 weeks (instead of 5 weeks).

Resolution. To minimize the turnaround time for the Round 2 samples, the data package provided by the analytical laboratory will be simplified — calculations needed to complete the validations will now be performed by the data validators.

6.2 New Problem Area

One new problem area was identified and resolved during this reporting period.

Detection Limits and Dilution Factors for Certain Round 1 Samples were Reported Incorrectly

Review of the Problem. The project laboratory incorrectly reported the detection limits and dilution factors for a subset of Round 1 samples.

Resolution. The laboratory corrected these errors and re-issued the deliverables. The affected data were edited in the project data base. This issue delayed data processing of the Round 1 results by one week.

6.3 Potential Problem Area

No potential problem areas were identified during this reporting period.

6.4 Outstanding Problem Area

One problem area outstanding from March was not resolved during this reporting period.

Round 1 Dioxin Performance Evaluation (PE) Sample Results Failed to Meet Specifications

Review of the Problem. The analytical results of the Round 1 performance evaluation samples (supplied by USEPA to CIBA-GEIGY) were outside the range of accuracy permitted by USEPA Region I. The results indicated that the concentrations were overestimated.

Plans for Resolution. For additional quality assurance and control, a subset of Round 1 samples was submitted to a second laboratory for re-analysis of dioxins and furans. Additionally, selected Round 2 samples were split between the two laboratories for analyses. The analytical data from both laboratories on all samples have been received and validated; Appendix 1 of Attachment A compares the validated dioxin/furan results from the two laboratories.

7.0 SCHEDULE OF TASKS (next two months)

The projected schedule (based on Figure 5-2 in Volume 1, Chapter 2 of the *RCRA Facility Investigation Proposal*) is provided here. It covers the tasks to be performed in the next two months (May and June 1991), along with other comments or considerations.

7.1 Tasks Completed Ahead of Schedule

The following tasks were completed ahead of their scheduled target dates.

Target Date	Task#	Task	Comments/Considerations
5/1/91	5.9	Round 2 Off-Site Soil Sampling	completed
5/8/91	5.10	Round 2 Surface Water Sampling	completed
5/15/91	5.11	Round 2 On-Site Soil Sampling	completed
5/15/91	5.8	Round 1 Data Validation	completed
5/29/91	5.12	Round 2 Groundwater Sampling	completed

7.2 Projected Schedule of Tasks

The following tasks are scheduled to be completed in the next two months.

Target Date	Task#	Task	Comments/Considerations
6/10/91	8	May Progress Report	
ongoing	9	Project Management	
ongoing	10	Data Management	
ongoing	11	Project Administration	
ongoing	12	Quality Assurance	
ongoing	13	Health & Safety Assurance	

8.0 CHANGES IN WORK PLAN

No changes to Phase IB of the Work Plan were made during this reporting period.

9.0 OTHER COMMENTS

The plans going forward into May and June include:

- reducing and validating the Phase I data, and
- continuing to develop the Interim Report.

The following document is appended:

- Attachment A — Validated Round 1 Analytical Laboratory Data

ATTACHMENT A

Validated Round 1 Analytical Laboratory Data

**CIBA-GEIGY Facility
Cranston, Rhode Island**

CIBA-GEIGY CORPORATION, CRANSTON FACILITY
VALIDATED ANALYTICAL DATA
PHASE IB, ROUND 1

This section describes the format of the Phase IB validated laboratory analytical data from samples collected at the CIBA-GEIGY Corporation Cranston facility.

ORGANIZATION

At the highest level, the data are grouped by sample media or type (e.g., surficial soil, boring, well). Within each sample medium or type, the analytical results for Appendix IX compounds are presented first; then the results for tentatively identified compounds (TICs) are presented. (The sections for TICs are identified by the label "TICs" at the bottom of each page.) The number of pages for each group of data is shown in the following table.

	<u>Appendix IX</u>	<u>TICs</u>
Surficial Soil	25	9
Borings	12	4
Split Spoon	1	0
Sediment	16	7
Surface Water	10	2
Monitoring Wells	32	9
Rock Wells	4	1
Duplicates	3	1
Background	5	2

REPORT FORMAT

Each page of this report has six columns -- "SAMPLE", "ANALYTE", "RESULTS", "UNITS", "QUAL", and "METHOD". The information shown in each column is described here.

SAMPLE shows the sample number. (The sample numbering scheme is described later.)

ANALYTE shows the analyte (chemical compound) name. (The Appendix IX analyte names were listed in Table 2-5 in Volume 1 of the RCRA Facility Investigation Proposal.) For tentatively identified compounds, the analyte names will be either recognizable compounds (e.g., 1,1'-biphenyl, pentachloro, octane, Tinuvin P) or unknown analytes (e.g., "UNKNOWN", "UNKNOWN HYDROCARBON"). Many of the unknown analytes have numbers attached at the end (e.g., "UNKNOWN_1", "UNKNOWN HYDROCARBON_5") to allow the data base to treat them as distinct entities. These numbers have no quantitative value and do not imply any rank ordering or importance of results.

RESULTS and UNITS show the analyte concentration and units of measure, respectively. The units shown are those provided by the analytical laboratory. For soil and sediment samples, the units are:

UG/KG -- micrograms per kilogram (parts per billion)

MG/KG -- milligrams per kilogram (parts per million)

NG/G -- nanograms per gram (parts per billion)

For water samples, the units are:

MG/L -- milligrams per liter (parts per million)

UG/L -- micrograms per liter (parts per billion)

QUAL (qualifier) shows three symbols -- J, U, or ND:

J -- indicates that the value is estimated either for a tentatively identified compound (TIC) or for a threshold identification (i.e., the spectral identification criteria were met, but the value was less than the practical detection limit).

U, ND -- indicate that analysis was conducted for the compound, but the compound was not detected.

Some of the analytical data for dioxins and furans have been qualified with an "EM" (estimated maximum) by the data validators. The EM qualifier is not currently included in the project's data base. This program modification is pending. Further reporting of dioxin and furan data will include the EM qualifier (if appropriate) after the program modification has been completed.

METHOD refers to the analytical laboratory test method (code) label used. Entries include:

- 808SSN -- pesticides/PCBs, soil
- 808SWN -- pesticides/PCBs, water
- 814SSN -- organophosphorous pesticides, soil
- 814SWN -- organophosphorous pesticides, water
- 815SSN -- herbicides, soil
- 815SWN -- herbicides, water
- 824DSN -- volatile organics, soil
- 824DWN -- volatile organics, water
- 827KSN -- semi-volatile organics and fingerprints, soil
- 827KWN -- semi-volatile organics and fingerprints, water
- 828SSN -- dioxins and furans, soil
- 828SWN -- dioxins and furans, water

Specific labels were used for inorganic analyses; for example:

- ASGSSA -- Arsenic
- CNTSSA -- Cyanide

SELECTION CRITERIA

The data reported here were selected from the project data base (currently about 40,000 records) using two criteria:

1. the concentration exceeded the laboratory detection limit; or
2. the qualifier was "J".

The results reported here reflect validated, but not final, data. (Final data are derived from validated data which have undergone final approval by data validators.)

EXCLUSIONS

Data for the analyte hexachlorophene have been excluded from this analysis because laboratory detection limits for this unstable compound have not been supplied for all dilution factors.

Results for surrogate compounds have been excluded. Surrogate compounds are laboratory-injected, and are used to evaluate the accuracy of the test method.

Results for matrix spike and matrix spike duplicate samples, laboratory blank samples, and recovery check samples have been excluded.

Results for TICs may not be complete for unknown analytes (e.g., named "UNKNOWN", "UNKNOWN HYDROCARBON") as a result of data loading problems.

KEY TO SAMPLE NUMBERING

Sample numbers are generated based on the sample medium or type (e.g., surficial soil, boring, monitoring well), a location code or area designation, and other information needed to distinguish the sample. The following four sample numbers are representative: SF-A13-J30(S); MW-14S; B-2A; and SS-B22-A. The information in the sample number will

vary depending on the type of sample. The following cases illustrate the sample numbering scheme.

Surficial Soil Samples, On-Site

Example: SF-A13-J30(S)

Code:	SF = surficial soil	TYPE
	A13 = Area of concern (AOC) 13	AREA
	J30 = Grid location	LOCATION
	(S) - shallow	DEPTH

J30 is the intersection of two grid lines (J) and (30) on the Production Area ground-penetrating radar grid in which AOC-13 is located.

"Shallow" indicates a sample taken from the soil within 18 inches of the surface. Similarly, (D) means "deep" -- more than 18 inches below the surface.

Other area designations for surficial soil (SF) samples include S5 (SWMU-5), S9 (SWMU-9), and S12 (SWMU-12).

Surficial Soil Samples, Off-Site

Example: SF-BG-BP

Code: SF = surficial soil TYPE

BG = background SPECIAL
DESIGNATION

BP = specific location SPECIFIC LOCATION
(Belmont Park)

There are four off-site sample numbers: SF-BG-BP, SF-BG-WS, SF-BG-ND, and SF-BG-PH.

Borings

Example: B-2A

Code: B = boring TYPE

2A = boring number LOCATION

The locations for borings and surficial soil samples are shown on Figures A-1 and A-2.

Well Samples

Monitoring wells (MW) and rock wells (RW) are labeled in much the same way as borings.

Example: MW-10S

Code: MW = monitoring well TYPE

10 = well number LOCATION

S = shallow DEPTH

Example: RW-1

Code: RW = rock well TYPE

1 = well number LOCATION

The locations for wells are shown on Figure A-3.

Sediment and Surface Water Samples

Example: SD-05L

Code: SD = sediment TYPE

05 = transect number 5 LOCATION

L = left side of river
viewed looking north SPECIFIC
LOCATION

Example: SW-06 DUP

Code: SW = surface water TYPE

DUP = duplicate OTHER

Sediment and surface water locations are shown in Figures A-4 and A-5.

Note: A "P" following an SW code indicates POND: example SW-01P is a surface water sample from the pond in the Waste Water Treatment Area.

Split Spoon Samples

Example: SS-B22-A

Code: SS = split spoon TYPE

B22 = boring number 22 LOCATION

Example: SS-MW-16S

Code: SS= split spoon **TYPE**

MW-16S MONITORING WELL

Other Types of Samples

Examples: FB-11-14 or TB-11-14

Code: FB = field blank TYPE
 TB = trip blank

11-14 = date sampled (November 14) DATE

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF A13 025(S)	GAMMA-BHC	3.3 UG/KG	J	808SSN
	PCB-1254	1400 UG/KG	J	
	ETHYLBENZENE	58 UG/KG	J	824KSN
	M&P-XYLENE	270 UG/KG		
	METHYLENE CHLORIDE	150 UG/KG	U	
	O-XYLENE	54 UG/KG	J	
	BENZO(A)ANTHRACENE	160 UG/KG	J	827KSN
	BENZO(A)PYRENE	200 UG/KG	J	
	BENZO(B)FLUORANTHENE	360 UG/KG	J	
	BENZO(K)FLUORANTHENE	450 UG/KG	J	
	CHRYSENE	190 UG/KG	J	
	FLUORANTHENE	140 UG/KG	J	
	NAPHTHALENE	180 UG/KG	J	
	PYRENE	140 UG/KG	J	
	ARSENIC	7.3 MG/KG	J	ASGSSA
	CYANIDE	12.6 MG/KG	J	CNTSSA
	BARIUM	25.3 MG/KG		ICPSSN
	BERYLLIUM	.31 MG/KG		
	CALCIUM	3830 MG/KG	J	
	CHROMIUM	9.2 MG/KG		
	COBALT	2.7 MG/KG		
	COPPER	9.3 MG/KG		
	IRON	8640 MG/KG		
	MAGNESIUM	1350 MG/KG	J	
	MANGANESE	136 MG/KG	J	
	NICKEL	6.7 MG/KG	ND	
	POTASSIUM	502 MG/KG	J	
	SODIUM	90.2 MG/KG		
	VANADIUM	10.8 MG/KG		
	ZINC	33.3 MG/KG		
	LEAD	23.8 MG/KG	J	PBGSSA
SF S12 A1	ENDRIN ALDEHYDE	230 UG/KG	J	808SSN
	GAMMA-CHLORDANE	3900 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF S12 A1	2,4,5-T	46 UG/KG		815SSN
	CHLOROBENZENE	2600 UG/KG		824KSN
	ETHYLBENZENE	440 UG/KG		
	M&P-XYLENE	1200 UG/KG		
	METHYLENE CHLORIDE	240 UG/KG	U	
	O-XYLENE	400 UG/KG		
	TOLUENE	1600 UG/KG	J	
	2,4-DICHLOROPHENOL	2100 UG/KG	J	827KSN
	2-METHYLNAPHTHALENE	500 UG/KG	J	
	2-METHYLPHENOL	1800 UG/KG	J	
	DCDF	7200 UG/KG	J	
	DIBENZ(A,H)ANTHRACENE	17000 UG/KG		
	DIBENZOFURAN	1100 UG/KG	J	
	DIETHYLPHthalATE	1700 UG/KG	J	
	FLUORANTHENE	630 UG/KG	J	
	IRGASAN DP-300	340000 UG/KG		
	NAPHTHALENE	2500 UG/KG	J	
	PHENANTHRENE	480 UG/KG	J	
	PHENOL	1800 UG/KG	J	
	PROPAZINE	28000 UG/KG	J	
	TINUVIN 327	26000 UG/KG	J	
	TRCDF	120000 UG/KG		
	TCDF	88 NG/G	*	828SSN
	ARSENIC	8.1 MG/KG	J	ASGSSA
	MERCURY	.14 MG/KG		HGC_SN
	BARIUM	75.2 MG/KG		ICPSSN
	BERYLLIUM	.61 MG/KG		
	CADMUM	.74 MG/KG		
	CALCIUM	9700 MG/KG	J	
	CHROMIUM	20.5 MG/KG		
	COBALT	4 MG/KG		
	COPPER	30.6 MG/KG		
	IRON	15400 MG/KG		
	MAGNESIUM	1510 MG/KG	J	
	MANGANESE	488 MG/KG	J	

* For detailed explanation, see Appendix I.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S12 A1	NICKEL	12.4 MG/KG		ICPSSN
	POTASSIUM	654 MG/KG	J	
	SODIUM	241 MG/KG	ND	
	VANADIUM	10.6 MG/KG		
	ZINC	632 MG/KG	J	
	LEAD	64 MG/KG		PBGSSA
SF A13 A25(S)	PCB-1254	29000 UG/KG		808SSN
	CHLOROBENZENE	280 UG/KG		824KSN
	M&P-XYLENE	51 UG/KG	J	
	O-XYLENE	32 UG/KG	J	
	ANTHRACENE	1600 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	3100 UG/KG	J	
	BENZO(A)PYRENE	2200 UG/KG	J	
	BENZO(B)FLUORANTHENE	3900 UG/KG	J	
	BENZO(K)FLUORANTHENE	4900 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	2200 UG/KG	J	
	CHRYSENE	3200 UG/KG	J	
	FLUORANTHENE	8400 UG/KG	J	
	PHENANTHRENE	5000 UG/KG	J	
	PYRENE	6000 UG/KG	J	
	TRCDF	3900 UG/KG	J	
	TCDF	2.3 NG/G		828SSN
	ARSENIC	9.4 MG/KG	J	ASGSSA
	CYANIDE	.78 MG/KG		CNTSSA
	MERCURY	.31 MG/KG		HGC_SN
	BARIUM	92.3 MG/KG	J	ICPSSN
	BERYLLIUM	.61 MG/KG		
	CADMIUM	1.1 MG/KG		
	CALCIUM	47500 MG/KG	J	
	CHROMIUM	15.8 MG/KG	J	
	COBALT	4.4 MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF A13 A25(S)	COPPER	54.4 MG/KG		ICPSSN
	IRON	10900 MG/KG	J	
	MAGNESIUM	3080 MG/KG		
	MANGANESE	239 MG/KG	J	
	NICKEL	12.4 MG/KG	J	
	POTASSIUM	1030 MG/KG	J	
	SODIUM	202 MG/KG	ND	
	VANADIUM	17.2 MG/KG		
	ZINC	215 MG/KG	J	
	LEAD	69.5 MG/KG		PBGSSA
	TIN	12.2 MG/KG	ND	SNEKSN
SF A13 A40(S)	PCB-1254	25000 UG/KG		808SSN
	M&P-XYLENE	27 UG/KG	J	824KSN
	O-XYLENE	14 UG/KG	J	
	TOLUENE	49 UG/KG	J	
	ANTHRACENE	560 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	1800 UG/KG	J	
	BENZO(A)PYRENE	1700 UG/KG	J	
	BENZO(B)FLUORANTHENE	2800 UG/KG	J	
	BENZO(G,H,I)PERYLENE	1700 UG/KG	J	
	BENZO(K)FLUORANTHENE	3500 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	2200 UG/KG	J	
	BUTYLBENZYLPHthalate	33000 UG/KG		
	CHRYSENE	2000 UG/KG	J	
	DI-N-BUTYLPHthalate	650 UG/KG	J	
	FLUORANTHENE	3900 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	1100 UG/KG	J	
	NAPHTHALENE	290 UG/KG	J	
	PHENANTHRENE	1900 UG/KG	J	
	PYRENE	2700 UG/KG	J	
	TRCDF	3300 UG/KG	J	
	PECDF	.1 NG/G		828SSN
	TCDF	1.6 NG/G		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF A13 A40(S)	ARSENIC	9.4 MG/KG	J	ASGSSA
	MERCURY	.75 MG/KG		HGC_SN
	BARIUM	99.9 MG/KG	J	ICPSSN
	BERYLLIUM	.73 MG/KG		
	CADMIUM	3.9 MG/KG		
	CALCIUM	44200 MG/KG	J	
	CHROMIUM	26.5 MG/KG	J	
	COBALT	6 MG/KG		
	COPPER	46.9 MG/KG		
	IRON	21300 MG/KG	J	
	MAGNESIUM	3860 MG/KG		
	MANGANESE	359 MG/KG	J	
	NICKEL	26.6 MG/KG	J	
	POTASSIUM	1240 MG/KG	J	
	SODIUM	240 MG/KG	ND	
	VANADIUM	108 MG/KG		
	ZINC	236 MG/KG	J	
	LEAD	162 MG/KG		PBGSSA
	TIN	25.6 MG/KG		SNEKSN
SF A13 E45(S)				
	PCB-1254	51000 UG/KG		808SSN
	SULFOTEPP	9.4 UG/KG	J	814SSN
	M&P-XYLENE	29 UG/KG	J	824KSN
	METHYLENE CHLORIDE	190 UG/KG	U	
	O-XYLENE	13 UG/KG	J	
	TOLUENE	35 UG/KG	J	
	BENZO(A)ANTHRACENE	840 UG/KG	J	827KSN
	BENZO(A)PYRENE	1100 UG/KG	J	
	BENZO(B)FLUORANTHENE	2100 UG/KG	J	
	BENZO(K)FLUORANTHENE	1900 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	2800 UG/KG	J	
	BUTYLBENZYLPHthalate	570 UG/KG	J	
	CHRYSENE	1400 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF A13 E45(S)	FLUORANTHENE	1900 UG/KG	J	827KSN
	NAPHTHALENE	240 UG/KG	J	
	PHENANTHRENE	770 UG/KG	J	
	PYRENE	1200 UG/KG	J	
	PECDF	.16 NG/G		828SSN
	TCDF	.57 NG/G		
	ARSENIC	7.9 MG/KG	J	ASGSSA
	CYANIDE	3.5 MG/KG		CNTSSA
	MERCURY	.74 MG/KG		HGC_SN
	BARIUM	101 MG/KG	J	ICPSSN
	BERYLLIUM	.47 MG/KG		
	CADMIUM	1.1 MG/KG		
	CALCIUM	42500 MG/KG	J	
	CHROMIUM	14.7 MG/KG	J	
	COBALT	3.9 MG/KG		
	COPPER	17.9 MG/KG		
	IRON	12000 MG/KG	J	
	MAGNESIUM	4210 MG/KG		
	MANGANESE	204 MG/KG	J	
	NICKEL	11.4 MG/KG		
	POTASSIUM	932 MG/KG	J	
	SODIUM	219 MG/KG	ND	
	VANADIUM	16.5 MG/KG		
	ZINC	163 MG/KG	J	
	LEAD	93 MG/KG		PBGSSA
	TIN	10.1 MG/KG	ND	SNEKSN
SF A13 J30(S)	PCB-1254	22000 UG/KG		808SSN
	DINOSEB	4 UG/KG	J	815SSN
	CHLOROBENZENE	47 UG/KG	J	824KSN
	M&P-XYLENE	54 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
SF A13 J30(S)	O-XYLENE	26	UG/KG	J	824KSN
	TOLUENE	46	UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1700	UG/KG	J	827KSN
	DI-N-BUTYLPHTHALATE	1300	UG/KG	J	
	FLUORANTHENE	830	UG/KG	J	
	TINUVIN 327	5200	UG/KG	J	
	TCDF	.79	NG/G		828SSN
	ARSENIC	5.6	MG/KG	J	ASGSSA
	CYANIDE	.79	MG/KG		CNTSSA
	MERCURY	.22	MG/KG		HGC_SN
	BARIUM	51.7	MG/KG	J	ICPSSN
	BERYLLIUM	.51	MG/KG		
	CADMIUM	.84	MG/KG		
	CALCIUM	25400	MG/KG	J	
	CHROMIUM	9.4	MG/KG	J	
	COBALT	3.2	MG/KG		
	COPPER	37.7	MG/KG		
	IRON	9070	MG/KG	J	
	MAGNESIUM	1740	MG/KG		
	MANGANESE	150	MG/KG	J	
	NICKEL	10.2	MG/KG	J	
	POTASSIUM	1100	MG/KG	J	
	SODIUM	208	MG/KG	ND	
	VANADIUM	18.8	MG/KG		
	ZINC	333	MG/KG	J	
	LEAD	378	MG/KG		PBGSSA
SF A13 J35(S)	PCB-1254	37000	UG/KG		808SSN
	CHLOROBENZENE	74	UG/KG	J	824KSN
	M&P-XYLENE	46	UG/KG	J	
	O-XYLENE	23	UG/KG	J	
	TOLUENE	46	UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF A13 J35(S)	ANTHRACENE	290 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	1100 UG/KG	J	
	BENZO(A)PYRENE	1100 UG/KG	J	
	BENZO(B)FLUORANTHENE	870 UG/KG	J	
	BENZO(G,H,I)PERYLENE	890 UG/KG	J	
	BENZO(K)FLUORANTHENE	1100 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1800 UG/KG	J	
	BUTYLBENZYLPHthalate	840 UG/KG	J	
	CHRYSENE	1100 UG/KG	J	
	DI-N-BUTYLPHTHALATE	560 UG/KG	J	
	DIMETHYLPHthalate	250 UG/KG	J	
	FLUORANTHENE	2300 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	680 UG/KG	J	
	NAPHTHALENE	260 UG/KG	J	
	PHENANTHRENE	800 UG/KG	J	
	PYRENE	1700 UG/KG	J	
	TRCDF	1300 UG/KG	J	
	TCDF	.49 NG/G		828SSN
	ARSENIC	5.8 MG/KG	J	ASGSSA
	MERCURY	.65 MG/KG		HGC_SN
	BARIUM	80.1 MG/KG	J	ICPSSN
	BERYLLIUM	.49 MG/KG		
	CADMIUM	1.2 MG/KG		
	CALCIUM	46200 MG/KG	J	
	CHROMIUM	18.6 MG/KG	J	
	COBALT	3.9 MG/KG		
	COPPER	16.7 MG/KG		
	IRON	12000 MG/KG	J	
	MAGNESIUM	2880 MG/KG		
	MANGANESE	224 MG/KG	J	
	NICKEL	9 MG/KG	J	
	POTASSIUM	1100 MG/KG	J	
	SODIUM	254 MG/KG	ND	
	VANADIUM	16.6 MG/KG		
	ZINC	245 MG/KG	J	
	LEAD	55.7 MG/KG		PBGSSA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF A13 J40(S)	PCB-1254	51000 UG/KG		808SSN
	FAMPHUR	16 UG/KG	J	814SSN
	DINOSEB	2.4 UG/KG	J	815SSN
	2,4-DICHLOROPHENOL	5300 UG/KG	J	827KSN
	ANTHRACENE	210 UG/KG	J	
	BENZO(A)ANTHRACENE	760 UG/KG	J	
	BENZO(A)PYRENE	720 UG/KG	J	
	BENZO(G,H,I)PERYLENE	790 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	4100 UG/KG	J	
	BUTYLBENZYLPHthalate	830 UG/KG	J	
	CHRYSENE	910 UG/KG	J	
	DI-N-BUTYLPHTHALATE	400 UG/KG	J	
	FLUORANTHENE	1600 UG/KG	J	
	NAPHTHALENE	240 UG/KG	J	
	PHENANTHRENE	780 UG/KG	J	
	PYRENE	1100 UG/KG	J	
	HxCDF	.21 NG/G	ND	828SSN
	TCDF	.87 NG/G	*	
	ARSENIC	8.5 MG/KG	J	ASGSSA
	MERCURY	1.2 MG/KG		HGC_SN
	BARIUM	106 MG/KG	J	ICPSSN
	BERYLLIUM	.37 MG/KG		
	CADMIUM	1.5 MG/KG		
	CALCIUM	54400 MG/KG	J	
	CHROMIUM	30 MG/KG	J	
	COBALT	4.6 MG/KG		
	COPPER	23.8 MG/KG		
	IRON	14600 MG/KG	J	
	MAGNESIUM	3690 MG/KG		
	MANGANESE	205 MG/KG	J	
	NICKEL	18.7 MG/KG	J	
	POTASSIUM	1260 MG/KG	J	

* For detailed explanation, see Appendix I.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF A13 J40(S)	SODIUM	254 MG/KG	ND	ICPSSN
	VANADIUM	14.9 MG/KG		
	ZINC	185 MG/KG	J	
	LEAD	87.5 MG/KG		PBGSSA
SF A13 J40(S) DUP	HXCDF	.32 NG/G		828SSN
	TCDD	.34 NG/G		
	TCDF	.96 NG/G		
SF A13 O10(S)	PCB-1254	4000 UG/KG		808SSN
	M&P-XYLENE	45 UG/KG	J	824KSN
	O-XYLENE	25 UG/KG	J	
	TCDF	.33 NG/G		828SSN
	ARSENIC	7.6 MG/KG	J	ASGSSA
	CYANIDE	3.8 MG/KG		CNTSSA
	MERCURY	.96 MG/KG		HGC_SN
	BARIUM	44.5 MG/KG	J	ICPSSN
	BERYLLIUM	.51 MG/KG		
	CADMUM	.85 MG/KG		
	CALCIUM	4740 MG/KG	J	
	CHROMIUM	16 MG/KG	J	
	COBALT	4 MG/KG		
	COPPER	76.1 MG/KG		
	IRON	19400 MG/KG	J	
	MAGNESIUM	1420 MG/KG		
	MANGANESE	258 MG/KG	J	
	NICKEL	15.9 MG/KG	J	
	POTASSIUM	499 MG/KG	J	
	SODIUM	113 MG/KG	ND	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF A13 O10(S)	VANADIUM	20.1 MG/KG		ICPSSN
	ZINC	100 MG/KG	J	
	LEAD	24.8 MG/KG		PBGSSA
SF A13 T10(S)	ALPHA-BHC	9.9 UG/KG	J	808SSN
	PCB-1254	2700 UG/KG		
	CHLOROBENZENE	86 UG/KG	J	824KSN
	M&P-XYLENE	68 UG/KG	J	
	O-XYLENE	22 UG/KG	J	
	TOLUENE	27 UG/KG	J	
	ANTHRACENE	360 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	920 UG/KG	J	
	BENZO(B)FLUORANTHENE	2000 UG/KG	J	
	BENZO(K)FLUORANTHENE	1800 UG/KG	J	
	BUTYLBENZYLPHthalATE	1200 UG/KG	J	
	CHRYSENE	1300 UG/KG	J	
	FLUORANTHENE	2200 UG/KG	J	
	NAPHTHALENE	430 UG/KG	J	
	PHENANTHRENE	1400 UG/KG	J	
	PYRENE	1300 UG/KG	J	
	TCDF	1.5 NG/G		828SSN
	ARSENIC	6.6 MG/KG	J	ASGSSA
	CYANIDE	4.6 MG/KG		CNTSSA
	MERCURY	.22 MG/KG		HGC_SN
	BARIUM	39.2 MG/KG	J	ICPSSN
	BERYLLIUM	.35 MG/KG		
	CADMUM	.52 MG/KG		
	CALCIUM	9740 MG/KG	J	
	CHROMIUM	12.6 MG/KG	J	
	COBALT	3.2 MG/KG		
	COPPER	11.1 MG/KG		
	IRON	9790 MG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF A13 T10(S)	MAGNESIUM	1930 MG/KG		ICPSSN
	MANGANESE	134 MG/KG	J	
	NICKEL	10.4 MG/KG	J	
	POTASSIUM	631 MG/KG	J	
	SODIUM	229 MG/KG	ND	
	VANADIUM	10.1 MG/KG		
	ZINC	759 MG/KG	J	
	LEAD	26.8 MG/KG		PBGSSA
SF A13 Y5(S)	4,4'-DDD	3.3 UG/KG	J	808SSN
	ALDRIN	3.5 UG/KG	J	
	ALPHA-BHC	1.6 UG/KG	J	
	ALPHA-CHLORDANE	9.7 UG/KG	J	
	DELTA-BHC	2.4 UG/KG	J	
	GAMMA-BHC	3.3 UG/KG	J	
	GAMMA-CHLORDANE	7.5 UG/KG	J	
	ARSENIC	1 MG/KG	J	ASGSSA
	BARIUM	6 MG/KG	J	ICPSSN
	BERYLLIUM	.26 MG/KG		
	CALCIUM	207 MG/KG	J	
	CHROMIUM	.9 MG/KG	J	
	IRON	4450 MG/KG	J	
	MAGNESIUM	183 MG/KG		
	MANGANESE	66.4 MG/KG	J	
	POTASSIUM	389 MG/KG	J	
	ZINC	20.6 MG/KG	J	
	LEAD	1.5 MG/KG	ND	PBGSSA
SF S12 B2	DELTA-BHC	26 UG/KG	J	808SSN
	DIMETHIOATE	26 UG/KG	J	814SSN
	CHLOROBENZENE	46 UG/KG	J	824KSN
	ETHYLBENZENE	24 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S12 B2	M&P-XYLENE	92 UG/KG	J	824KSN
	METHYLENE CHLORIDE	240 UG/KG	U	
	O-XYLENE	32 UG/KG	J	
	TOLUENE	580 UG/KG	J	
	CHRYSENE	99 UG/KG	J	827KSN
	DCDF	200 UG/KG	J	
	DIETHYLPHthalATE	99 UG/KG	J	
	FLUORANTHENE	85 UG/KG	J	
	NAPHTHALENE	71 UG/KG	J	
	PHENANTHRENE	53 UG/KG	J	
	PYRENE	97 UG/KG	J	
	TRCDF	3600 UG/KG		
	TCDF	2.6 NG/G		828SSN
SF S12 C2	4,4'-DDE	12 UG/KG		808SSN
	4,4'-DDT	7.5 UG/KG		
	ALPHA-BHC	1.2 UG/KG		
	DIELDRIN	7.7 UG/KG		
	GAMMA-CHLORDANE	79 UG/KG		
	METHYLENE CHLORIDE	310 UG/KG	U	824KSN
	TOLUENE	250 UG/KG	J	
	BENZO(A)ANTHRACENE	160 UG/KG	J	827KSN
	BENZO(A)PYRENE	150 UG/KG	J	
	BENZO(B)FLUORANTHENE	220 UG/KG	J	
	BENZO(K)FLUORANTHENE	280 UG/KG	J	
	BUTYLBENZYLPHthalATE	150 UG/KG	J	
	CHRYSENE	160 UG/KG	J	
	DI-N-OCTYLPHthalATE	160 UG/KG	J	
	DIETHYLPHthalATE	75 UG/KG	J	
	FLUORANTHENE	240 UG/KG	J	
	PHENANTHRENE	83 UG/KG	J	
	PYRENE	260 UG/KG	J	
	TINUVIN 327	500 UG/KG	J	
	TRCDF	580 UG/KG	J	
	TCDF	.84 NG/G		828SSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S12 C2	ARSENIC	9.5 MG/KG	J	ASGSSA
	CYANIDE	1.7 MG/KG		CNTSSA
	BARIUM	36.3 MG/KG		ICPSSN
	BERYLLIUM	.52 MG/KG		
	CALCIUM	1400 MG/KG	J	
	CHROMIUM	13 MG/KG		
	COBALT	3.6 MG/KG		
	COPPER	15.9 MG/KG		
	IRON	12800 MG/KG		
	MAGNESIUM	1400 MG/KG	J	
	MANGANESE	158 MG/KG	J	
	NICKEL	7.7 MG/KG		
	POTASSIUM	569 MG/KG	J	
	SODIUM	116 MG/KG	ND	
	VANADIUM	12 MG/KG		
	ZINC	235 MG/KG	J	
	LEAD	13 MG/KG		PBGSSA
SF S5 C1(D)	4,4'-DDE	220 UG/KG	J	808SSN
	ALDRIN	130 UG/KG	J	
	DELTA-BHC	260 UG/KG	J	
	2,4,5-TP (SILVEX)	110 UG/KG		815SSN
	CHLOROBENZENE	43 UG/KG	J	824KSN
	TOLUENE	100 UG/KG	J	
	4-CHLOROANILINE	1600 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	1200 UG/KG	J	
	BENZO(A)PYRENE	1700 UG/KG	J	
	BENZO(B)FLUORANTHENE	2600 UG/KG	J	
	BENZO(K)FLUORANTHENE	3400 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	110000 UG/KG		
	CHRYSENE	2000 UG/KG	J	
	DI-N-OCTYLPHthalate	18000 UG/KG		
	FLUORANTHENE	3600 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S5 C1(D)	NAPHTHALENE	1900 UG/KG	J	827KSN
	PHENANTHRENE	1700 UG/KG	J	
	PHENOL	890 UG/KG	J	
	PYRENE	3000 UG/KG	J	
	HXCDF	.52 NG/G		828SSN
	PECDF	.26 NG/G		
	TCDF	.77 NG/G		
	ARSENIC	8.2 MG/KG	J	ASGSSA
	CYANIDE	9.4 MG/KG		CNTSSA
	MERCURY	.42 MG/KG		HGC_SN
	BARIUM	101 MG/KG	J	ICPSSN
	BERYLLIUM	1.3 MG/KG		
	CADMIUM	6.9 MG/KG		
	CALCIUM	1800 MG/KG	J	
	CHROMIUM	357 MG/KG	J	
	COBALT	5.4 MG/KG		
	COPPER	352 MG/KG		
	IRON	13600 MG/KG	J	
	MAGNESIUM	1670 MG/KG		
	MANGANESE	210 MG/KG	J	
	NICKEL	17.9 MG/KG	J	
	POTASSIUM	716 MG/KG	J	
	VANADIUM	16.2 MG/KG		
	ZINC	13300 MG/KG	J	
	LEAD	116 MG/KG		PBGSSA
	ANTIMONY	.88 MG/KG	J	SBGSSA
	TIN	20.7 MG/KG		SNEKSN
SF S5 C2(D)	METHOXYCHLOR	2200000 UG/KG		808SSN
	THIONAZIN	5.8 UG/KG	J	814SSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S5 C2(D)	CHLOROBENZENE	3600 UG/KG		824KSN
	M&P-XYLENE	65 UG/KG	J	
	METHYLENE CHLORIDE	180 UG/KG	U	
	O-XYLENE	46 UG/KG	J	
	TETRACHLOROETHENE	44 UG/KG	J	
	TOLUENE	1000 UG/KG		
	4-CHLOROANILINE	7400 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	1100 UG/KG	J	
	BENZO(B)FLUORANTHENE	1900 UG/KG	J	
	BENZO(K)FLUORANTHENE	2400 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	27000 UG/KG		
	CHRYSENE	1600 UG/KG	J	
	DI-N-OCTYLPHthalate	6600 UG/KG	J	
	FLUORANTHENE	2600 UG/KG	J	
	NAPHTHALENE	3200 UG/KG	J	
	PHENANTHRENE	1400 UG/KG	J	
	PYRENE	2000 UG/KG	J	
	TINUVIN 327	18000 UG/KG	J	
	HXCDF	1.1 NG/G	*	828SSN
	TCDF	.15 NG/G	*	
	ARSENIC	12 MG/KG	J	ASGSSA
	CYANIDE	7.5 MG/KG		CNTSSA
	MERCURY	.94 MG/KG		HGC_SN
	BARIUM	122 MG/KG	J	ICPSSN
	BERYLLIUM	1.6 MG/KG		
	CADMIUM	5.7 MG/KG		
	CALCIUM	2140 MG/KG	J	
	CHROMIUM	240 MG/KG	J	
	COBALT	5.8 MG/KG		
	COPPER	215 MG/KG		
	IRON	16000 MG/KG	J	
	MAGNESIUM	2060 MG/KG		
	MANGANESE	228 MG/KG	J	
	NICKEL	36 MG/KG	J	
	POTASSIUM	1180 MG/KG	J	
	SODIUM	131 MG/KG	ND	

* For detailed explanation, see Appendix I.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S5 C2(D)	VANADIUM	18.2 MG/KG		ICPSSN
	ZINC	8530 MG/KG	J	
	LEAD	173 MG/KG		PBGSSA
	TIN	14.7 MG/KG		SNEKSN
SF S5 C3(D)	4,4'-DDT	510 UG/KG		808SSN
	ALPHA-BHC	76 UG/KG		
	ENDOSULFAN SULFATE	290 UG/KG	J	
	ENDRIN	65 UG/KG		
	ENDRIN ALDEHYDE	3500 UG/KG		
	GAMMA-CHLORDANE	210 UG/KG		
	HEPTACHLOR EPOXIDE	250 UG/KG		
	METHOXYCHLOR	3300 UG/KG		
	DISULFOTON	7.7 UG/KG	J	814SSN
	PHORATE	9.6 UG/KG	J	
	CHLOROBENZENE	2000 UG/KG		824KSN
	M&P-XYLENE	41 UG/KG	J	
	METHYLENE CHLORIDE	230 UG/KG	U	
	O-XYLENE	22 UG/KG	J	
	TETRACHLOROETHENE	37 UG/KG	J	
	TOLUENE	1000 UG/KG		
	4-CHLOROANILINE	310 UG/KG	J	827KSN
	ANTHRACENE	89 UG/KG	J	
	BENZO(A)ANTHRACENE	530 UG/KG	J	
	BENZO(A)PYRENE	530 UG/KG	J	
	BENZO(B)FLUORANTHENE	1000 UG/KG	J	
	BENZO(G,H,I)PERYLENE	520 UG/KG	J	
	BENZO(K)FLUORANTHENE	1300 UG/KG		
	BIS(2-CHLOROETHYL)ETHER	430 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	2000 UG/KG		
	BUTYLBENZYLPHthalate	780 UG/KG	J	
	CHRYSENE	750 UG/KG	J	
	DI-N-BUTYLPHTHALATE	57 UG/KG	J	
	DI-N-OCTYLPHTHALATE	200 UG/KG	J	
	DIBENZOFURAN	68 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S5 C3(D)	FLUORANTHENE	1300 UG/KG		827KSN
	FLUORENE	52 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	400 UG/KG	J	
	NAPHTHALENE	420 UG/KG	J	
	PHENANTHRENE	720 UG/KG	J	
	PYRENE	1100 UG/KG	J	
	TINUVIN 327	570 UG/KG	J	
	ARSENIC	9.4 MG/KG	J	ASGSSA
	CYANIDE	1.2 MG/KG		CNTSSA
	MERCURY	.17 MG/KG		HGC_SN
	BARIUM	113 MG/KG	J	ICPSSN
	BERYLLIUM	.76 MG/KG		
	CADMIUM	1.4 MG/KG		
	CALCIUM	2320 MG/KG	J	
	CHROMIUM	25.2 MG/KG	J	
	COBALT	4.1 MG/KG		
	COPPER	103 MG/KG		
	IRON	10300 MG/KG	J	
	MAGNESIUM	1160 MG/KG		
	MANGANESE	173 MG/KG	J	
	NICKEL	17.4 MG/KG	J	
	POTASSIUM	443 MG/KG	J	
	VANADIUM	12.2 MG/KG		
	ZINC	2210 MG/KG	J	
	LEAD	428 MG/KG		PBGSSA
SF S5 D2(D)	4,4'-DDD	410 UG/KG		808SSN
	ALDRIN	1100 UG/KG		
	ALPHA-BHC	150 UG/KG		
	ENDOSULFAN SULFATE	280 UG/KG	J	
	GAMMA-CHLORDANE	500 UG/KG		
	HEPTACHLOR EPOXIDE	1200 UG/KG		
	METHYLENE CHLORIDE	350 UG/KG	U	824KSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF S5 D2(D)	TCDF	.62 NG/G		828SSN
	ARSENIC	9 MG/KG	J	ASGSSA
	CYANIDE	2.8 MG/KG		CNTSSA
	MERCURY	.21 MG/KG		HGC_SN
	BARIUM	207 MG/KG	J	ICPSSN
	BERYLLIUM	.62 MG/KG		
	CADMIUM	1.8 MG/KG		
	CALCIUM	2480 MG/KG	J	
	CHROMIUM	58.7 MG/KG	J	
	COBALT	6.4 MG/KG		
	COPPER	66 MG/KG		
	IRON	14400 MG/KG	J	
	MAGNESIUM	2480 MG/KG		
	MANGANESE	233 MG/KG	J	
	NICKEL	14 MG/KG	J	
	POTASSIUM	1520 MG/KG	J	
	SODIUM	114 MG/KG	ND	
	VANADIUM	22 MG/KG		
	ZINC	1830 MG/KG	J	
	LEAD	271 MG/KG		PBGSSA
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SF S5 D3(D)	ALDRIN	1000 UG/KG	J	808SSN
	ALPHA-BHC	270 UG/KG	J	
	DIELDRIN	910 UG/KG	J	
	ENDRIN	540 UG/KG	J	
	ISODRIN	850 UG/KG	J	
	SULFOTEPP	4.1 UG/KG	J	814SSN
	2,4,5-TP (SILVEX)	210 UG/KG		815SSN
	CHLOROBENZENE	820 UG/KG		824KSN
	METHYLENE CHLORIDE	270 UG/KG	U	
	TETRACHLOROETHENE	63 UG/KG	J	
	TOLUENE	360 UG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S5 D3(D)	4-CHLOROANILINE	5400 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	1600 UG/KG	J	
	BENZO(A)PYRENE	1500 UG/KG	J	
	BENZO(B)FLUORANTHENE	2800 UG/KG	J	
	BENZO(K)FLUORANTHENE	3600 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	140000 UG/KG		
	CHRYSENE	2300 UG/KG	J	
	DI-N-OCTYLPHthalate	23000 UG/KG		
	FLUORANTHENE	3700 UG/KG	J	
	NAPHTHALENE	1200 UG/KG	J	
	PHENANTHRENE	1400 UG/KG	J	
	PYRENE	3000 UG/KG	J	
	TINUVIN 327	4100 UG/KG	J	
	HXCDF	.2 NG/G		828SSN
	PECDF	.12 NG/G		
	TCDF	.31 NG/G		
	ARSENIC	11 MG/KG	J	ASGSSA
	CYANIDE	7.5 MG/KG		CNTSSA
	MERCURY	.54 MG/KG		HGC_SN
	BARIUM	112 MG/KG	J	ICPSSN
	BERYLLIUM	1.1 MG/KG		
	CADMUM	5.3 MG/KG		
	CALCIUM	1700 MG/KG	J	
	CHROMIUM	257 MG/KG	J	
	COBALT	4.6 MG/KG		
	COPPER	182 MG/KG		
	IRON	13900 MG/KG	J	
	MAGNESIUM	1580 MG/KG		
	MANGANESE	165 MG/KG	J	
	NICKEL	17.4 MG/KG	J	
	POTASSIUM	879 MG/KG	J	
	VANADIUM	15.2 MG/KG		
	ZINC	8750 MG/KG	J	
	LEAD	156 MG/KG		PBGSSA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S5 D3(D)	ANTIMONY	.86 MG/KG	J	SBGSSA
SF S9 B2(S)	ENDRIN	3.2 UG/KG		808SSN
	ENDRIN ALDEHYDE	12 UG/KG		
	GAMMA-CHLORDANE	13 UG/KG		
	ISODRIN	7.2 UG/KG		
	TOLUENE	47 UG/KG	J	824KSN
	BIS(2-ETHYLHEXYL)PHTHALATE	290 UG/KG	J	827KSN
	TINUVIN 327	6100 UG/KG		
	TCDF	.27 NG/G		828SSN
	ARSENIC	7.1 MG/KG	J	ASGSSA
	BARIUM	34.6 MG/KG	J	ICPSSN
	BERYLLIUM	.58 MG/KG		
	CALCIUM	1060 MG/KG	J	
	CHROMIUM	7.9 MG/KG	J	
	COBALT	3.6 MG/KG		
	COPPER	7.3 MG/KG		
	IRON	9900 MG/KG	J	
	MAGNESIUM	1410 MG/KG		
	MANGANESE	204 MG/KG	J	
	NICKEL	5.8 MG/KG	J	
	POTASSIUM	979 MG/KG	J	
	VANADIUM	10.5 MG/KG		
	ZINC	56.6 MG/KG	J	
	LEAD	32.9 MG/KG		PBGSSA
SF S9 C1(S)	4,4'-DDT	3.6 UG/KG		808SSN
	DIELDRIN	2.8 UG/KG		
	ENDRIN	3.1 UG/KG		
	DISULFOTON	5.9 UG/KG	J	814SSN
	ETHYL PARATHION	6.4 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF S9 C1(S)	BIS(2-ETHYLHEXYL)PHTHALATE	100 UG/KG	J	827KSN
	ARSENIC	2.4 MG/KG	J	ASGSSA
	BARIUM	7.3 MG/KG	J	ICPSSN
	BERYLLIUM	.46 MG/KG		
	CALCIUM	363 MG/KG	J	
	CHROMIUM	1.3 MG/KG	J	
	COBALT	1.1 MG/KG		
	IRON	4610 MG/KG	J	
	MAGNESIUM	290 MG/KG		
	MANGANESE	83.4 MG/KG	J	
	POTASSIUM	364 MG/KG	J	
	VANADIUM	1.7 MG/KG		
	ZINC	24.8 MG/KG	J	
	LEAD	124 MG/KG		PBGSSA
SF S9 C2(S)	4,4'-DDT	3 UG/KG		808SSN
	ALPHA-BHC	1 UG/KG	J	
	DIELDRIN	1.9 UG/KG		
	ENDRIN ALDEHYDE	2.1 UG/KG	J	
	GAMMA-BHC	1.7 UG/KG		
	HEPTACHLOR	3.2 UG/KG		
	HEPTACHLOR EPOXIDE	2.2 UG/KG		
	ETHYL PARATHION	5.6 UG/KG	J	814SSN
	METHYLENE CHLORIDE	210 UG/KG	U	824KSN
	TOLUENE	40 UG/KG	J	
	ARSENIC	9.3 MG/KG	J	ASGSSA
	BARIUM	85.5 MG/KG	J	ICPSSN
	BERYLLIUM	.78 MG/KG		
	CALCIUM	2170 MG/KG	J	
	CHROMIUM	20.7 MG/KG	J	
	COBALT	7.6 MG/KG		
	COPPER	31.9 MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S9 C2(S)	IRON	14100 MG/KG	J	ICPSSN
	MAGNESIUM	5360 MG/KG		
	MANGANESE	416 MG/KG	J	
	NICKEL	13.9 MG/KG	J	
	POTASSIUM	4630 MG/KG	J	
	SODIUM	90.5 MG/KG	ND	
	VANADIUM	15.9 MG/KG		
	ZINC	70.8 MG/KG	J	
	LEAD	4.1 MG/KG	ND	PBGSSA
	ANTIMONY	.56 MG/KG	R	SBGSSA
SF S12 A2	ETHYL PARATHION	2.5 UG/KG	J	814SSN
	METHYL PARATHION	3.8 UG/KG	J	
	CHLOROBENZENE	24 UG/KG	J	824KSN
	M&P-XYLENE	31 UG/KG	J	
	METHYLENE CHLORIDE	250 UG/KG	U	
	O-XYLENE	16 UG/KG	J	
	ANTHRACENE	380 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	800 UG/KG	J	
	CHRYSENE	880 UG/KG	J	
	FLUORANTHENE	2100 UG/KG	J	
	PHENANTHRENE	1500 UG/KG	J	
	PYRENE	1500 UG/KG	J	
	TRCDF	1800 UG/KG	J	
	TCDF	2.6 NG/G		828SSN
	ARSENIC	5.8 MG/KG	J	ASGSSA
	MERCURY	.08 MG/KG		HGC_SN
	BARIUM	28.9 MG/KG		ICPSSN
	BERYLLIUM	.48 MG/KG		
	CALCIUM	2700 MG/KG	J	
	CHROMIUM	14.4 MG/KG		
	COBALT	4.7 MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S12 A2	COPPER	40.5 MG/KG		ICPSSN
	IRON	11500 MG/KG		
	MAGNESIUM	1780 MG/KG	J	
	MANGANESE	216 MG/KG	J	
	NICKEL	12.6 MG/KG	ND	
	POTASSIUM	941 MG/KG	J	
	SODIUM	103 MG/KG	ND	
	VANADIUM	14.4 MG/KG		
	ZINC	80.8 MG/KG		
	LEAD	36.8 MG/KG	J	PBGSSA
SF S12 B2	ARSENIC	7.7 MG/KG	J	ASGSSA
	MERCURY	.06 MG/KG		HGC_SN
	BARIUM	36.1 MG/KG		ICPSSN
	BERYLLIUM	.4 MG/KG		
	CALCIUM	2600 MG/KG	J	
	CHROMIUM	10.5 MG/KG		
	COBALT	4.4 MG/KG		
	COPPER	33.6 MG/KG		
	IRON	10100 MG/KG		
	MAGNESIUM	1960 MG/KG	J	
	MANGANESE	183 MG/KG	J	
	NICKEL	13.2 MG/KG		
	POTASSIUM	1100 MG/KG	J	
	SODIUM	156 MG/KG	ND	
	VANADIUM	15 MG/KG		
	ZINC	154 MG/KG	J	
	LEAD	23 MG/KG		PBGSSA
SF-DUP 1	BIS(2-ETHYLHEXYL)PHTHALATE	150 UG/KG	J	827KSN
SF-DUP 1	ENDRIN ALDEHYDE	1 UG/KG	J	808SSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytic Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF-DUP 1	KEPONE	15 UG/KG	J	808SSN
	ARSENIC	1.9 MG/KG	J	ASGSSA
	BARIUM	4.6 MG/KG	J	ICPSSN
	BERYLLIUM	.27 MG/KG		
	CALCIUM	250 MG/KG	J	
	CHROMIUM	.95 MG/KG	J	
	IRON	3390 MG/KG	J	
	MAGNESIUM	158 MG/KG		
	MANGANESE	42.9 MG/KG	J	
	POTASSIUM	285 MG/KG	ND	
	ZINC	13.5 MG/KG	J	
	LEAD	3.8 MG/KG	ND	PBGSSA

775 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
SF S12 A1	OCTANE	1400	UG/KG	J	824KSN
	UNKNOWN	1500	UG/KG	J	
	UNKNOWN HYDROCARBON	1200	UG/KG	J	
	UNKNOWN HYDROCARBON_1	660	UG/KG	J	
	UNKNOWN HYDROCARBON_2	770	UG/KG	J	
	UNKNOWN HYDROCARBON_3	1500	UG/KG	J	
	UNKNOWN HYDROCARBON_4	1300	UG/KG	J	
	UNKNOWN HYDROCARBON_5	760	UG/KG	J	
	UNKNOWN_1	1200	UG/KG	J	
	UNKNOWN_2	1300	UG/KG	J	
	C8-PHENOL	19000	UG/KG	J	827KSN
	DIMETHOXY ACETOPHENONE	30000	UG/KG	J	
	NONOX A	71000	UG/KG	J	
	OCTYL PHENOL ISOMER	18000	UG/KG	J	
	SULFUR, MOL. (S8)	27000	UG/KG	J	
	TINUVIN P	110000	UG/KG	J	
	UNKNOWN	49000	UG/KG	J	
	UNKNOWN_1	6600	UG/KG	J	
	UNKNOWN_10	39000	UG/KG	J	
	UNKNOWN_11	31000	UG/KG	J	
	UNKNOWN_12	480000	UG/KG	J	
	UNKNOWN_13	54000	UG/KG	J	
	UNKNOWN_2	27000	UG/KG	J	
	UNKNOWN_3	12000	UG/KG	J	
	UNKNOWN_4	19000	UG/KG	J	
	UNKNOWN_5	69000	UG/KG	J	
	UNKNOWN_6	20000	UG/KG	J	
	UNKNOWN_7	28000	UG/KG	J	
	UNKNOWN_8	61000	UG/KG	J	
	UNKNOWN_9	140000	UG/KG	J	
SF A13 A25(S)	UNKNOWN CHLOROMETHYL BENZE	110	UG/KG	J	824KSN
SF A13 A40(S)	UNKNOWN HYDROCARBON	470	UG/KG	J	824KSN
	UNKNOWN HYDROCARBON_5	770	UG/KG	J	
	UNKNOWN HYDROCARBON_6	860	UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF A13 A40(S)	1,1'-BIPHENYL,HEXACHLORO-	2500 UG/KG	J	827KSN
	1,1'-BIPHENYL,PENTACHLORO-	2500 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_1	4200 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_2	4000 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_3	6400 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_6	2400 UG/KG	J	
	C20 PNA	2800 UG/KG	J	
	UNKNOWN	2500 UG/KG	J	
	UNKNOWN_1	3900 UG/KG	J	
	UNKNOWN_12	3900 UG/KG	J	827KSN
SF A13 E45(S)	1,1'-BIPHENYL,HEXACHLORO-_1	4400 UG/KG	J	827KSN
	1,1'-BIPHENYL,HEXACHLORO-_2	4800 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_1	6500 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_2	4800 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_3	4000 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_4	12000 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_5	5000 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_6	4800 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_1	6000 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_2	3000 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_3	4200 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_4	3300 UG/KG	J	
	1,1'-BIPHENYL,TRICHLORO-_1	2200 UG/KG	J	
	1,1'-BIPHENYL,TRICHLORO-_2	4300 UG/KG	J	
	1,1'-BIPHENYL,TRICHLORO-_3	1250 UG/KG	J	
SF A13 J30(S)	UNKNOWN	660 UG/KG	J	827KSN
	UNKNOWN_1	12000 UG/KG	J	
	UNKNOWN_14	12000 UG/KG	J	827KSN
SF A13 J35(S)	UNKNOWN_1	340 UG/KG	J	824KSN

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF A13 J35(S)	UNKNOWN_7	400 UG/KG	J	824KSN
	UNKNOWN_8	190 UG/KG	J	
	1,1'-BIPHENYL,HEXACHLORO-_1	3500 UG/KG	J	827KSN
	1,1'-BIPHENYL,HEXACHLORO-_2	3400 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_1	6400 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_2	3300 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_3	5200 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_4	8000 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_5	3700 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-	4900 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_1	2900 UG/KG	J	
	1,1'-BIPHENYL,TRICHLORO-	3300 UG/KG	J	
	C8 CYCLOHEXADIENEDIONE	2700 UG/KG	J	
	UNKNOWN	8400 UG/KG	J	
	UNKNOWN HYDROCARBON	2700 UG/KG	J	827KSN
	UNKNOWN_13	3700 UG/KG	J	
SF A13 J40(S)	UNKNOWN_5	430 UG/KG	J	824KSN
	UNKNOWN HYDROCARBON	3300 UG/KG	J	824KSN
	UNKNOWN HYDROCARBON_3	510 UG/KG	J	
	UNKNOWN_1	180 UG/KG	J	
	UNKNOWN_2	350 UG/KG	J	
	UNKNOWN_4	3400 UG/KG	J	
	1,1'-BIPHENYL,HEXACHLORO-_1	3900 UG/KG	J	827KSN
	1,1'-BIPHENYL,PENTACHLORO-_1	6400 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_2	4000 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_3	2700 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_4	8800 UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_5	3700 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_1	4700 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_2	2700 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_3	4000 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_4	3300 UG/KG	J	
	1,1'-BIPHENYL,TETRACHLORO-_5	4600 UG/KG	J	

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CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SF A13 J40(S)	1,1'-BIPHENYL, TETRACHLORO- 1,1'-BIPHENYL, TRICHLORO-	1200 4440	UG/KG	J J	827KSN
	DIHYDRODIBENZOAZEPINE	9400	UG/KG	J	
	UNKNOWN	2800	UG/KG	J	
SF A13 O10(S)	1-CHLORO-4-(TRIFLUOROMETHYL)	210	UG/KG	J	824KSN
	UNKNOWN	4200	UG/KG	J	827KSN
SF A13 Y5(S)	UNKNOWN	4400	UG/KG	J	827KSN
SF S12 B2	HEXANE	120	UG/KG	J	824KSN
	UNKNOWN	130	UG/KG	J	
	UNKNOWN HYDROCARBON	390	UG/KG	J	
	UNKNOWN HYDROCARBON_1	300	UG/KG	J	
	UNKNOWN HYDROCARBON_2	180	UG/KG	J	
	UNKNOWN HYDROCARBON_3	140	UG/KG	J	
	UNKNOWN HYDROCARBON_4	130	UG/KG	J	
	DIMETHOXYACETOPHENONE	1100	UG/KG	J	827KSN
	OCTYL PHENOL ISOMER	510	UG/KG	J	
	SULFUR, MOL. (S8)	620	UG/KG	J	
	TINUVIN P	570	UG/KG	J	
	UNKNOWN	540	UG/KG	J	
	UNKNOWN_1	2400	UG/KG	J	
	UNKNOWN_10	2300	UG/KG	J	
	UNKNOWN_11	1200	UG/KG	J	
	UNKNOWN_2	1400	UG/KG	J	
	UNKNOWN_3	580	UG/KG	J	
	UNKNOWN_4	1100	UG/KG	J	
	UNKNOWN_5	640	UG/KG	J	
	UNKNOWN_6	490	UG/KG	J	
	UNKNOWN_7	1500	UG/KG	J	
	UNKNOWN_8	910	UG/KG	J	
	UNKNOWN_9	740	UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF S12 C2	UNKNOWN	230 UG/KG	J	824KSN
	UNKNOWN_1	320 UG/KG	J	
	UNKNOWN_2	200 UG/KG	J	
	UNKNOWN_3	250 UG/KG	J	
	UNKNOWN_4	400 UG/KG	J	
C20 PNA		530 UG/KG	J	827KSN
UNKNOWN		710 UG/KG	J	
UNKNOWN_1		440 UG/KG	J	
UNKNOWN_2		850 UG/KG	J	
UNKNOWN_3		7500 UG/KG	J	
UNKNOWN_4		820 UG/KG	J	
UNKNOWN_5		660 UG/KG	J	
UNKNOWN_6		440 UG/KG	J	
UNKNOWN_7		480 UG/KG	J	
UNKNOWN_8		1900 UG/KG	J	
UNKNOWN_9		1100 UG/KG	J	
SF S5 C1(D)	1,1'-BIPHENYL, PENTACHLORO-	16000 UG/KG	J	827KSN
	1,1'-BIPHENYL, TETRACHLORO-	15000 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO-_3	10000 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO-_4	14000 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO-_6	14000 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO-_7	18000 UG/KG	J	
	1,1'-BIPHENYL, TRICHLORO-	11000 UG/KG	J	
	1,1'-BIPHENYL, TRICHLORO-_1	25000 UG/KG	J	
	1,1'-BIPHENYL, TRICHLORO-_2	12000 UG/KG	J	
	1,1'-BIPHENYL, TRICHLORO-_5	11000 UG/KG	J	
	C8 CYCLOHEXADIENEDIONE	10000 UG/KG	J	
	CHLOROTRIFLUOROMETHYLANILI	9500 UG/KG	J	
	CHLOROTRIFLUOROMETHYLAN_1	43000 UG/KG	J	
	UNKNOWN	19000 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	33000 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID_1	27000 UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE	38000 UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE_1	33000 UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SF S5 C1(D)	UNKNOWN_21	34000	UG/KG	J	827KSN
	UNKNOWN_23	32000	UG/KG	J	
SF S5 C2(D)	UNKNOWN	5900	UG/KG	J	824KSN
	UNKNOWN C10	1300	UG/KG	J	
	UNKNOWN C13	2800	UG/KG	J	
	UNKNOWN HYDROCARBON	1700	UG/KG	J	
	UNKNOWN HYDROCARBON_1	1300	UG/KG	J	
	UNKNOWN HYDROCARBON_2	5500	UG/KG	J	
	UNKNOWN HYDROCARBON_3	5700	UG/KG	J	
	UNKNOWN HYDROCARBON_4	1100	UG/KG	J	
	UNKNOWN_10	870	UG/KG	J	
	UNKNOWN_5	700	UG/KG	J	
	C4-NAPHTHALENE	14000	UG/KG	J	827KSN
	C8-CYCLOHEXADIENEDIONE	12000	UG/KG	J	
	CHLOROISOCYANATOBENZENE	7200	UG/KG	J	
	CHLOROTRIFLUOROMETHYLANILI	20000	UG/KG	J	
	CHLOROTRIFLUOROMETHYLAN_2	110000	UG/KG	J	
	METHOXYCHLOR ISOMER	74000	UG/KG	J	
	METHOXYCHLOR ISOMER_1	21000	UG/KG	J	
	METHOXYCHLOR ISOMER_2	740000	UG/KG	J	
	TINUVIN P	27000	UG/KG	J	
	UNKNOWN	9800	UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	12000	UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE	20000	UG/KG	J	
	UNKNOWN_24	6600	UG/KG	J	
	UNKNOWN_25	31000	UG/KG	J	
	UNKNOWN_26	25000	UG/KG	J	
	UNKNOWN_27	19000	UG/KG	J	
	UNKNOWN_28	25000	UG/KG	J	
	UNKNOWN_29	47000	UG/KG	J	
	UNKNOWN_30	440000	UG/KG	J	
	UNKNOWN_31	44000	UG/KG	J	
SF S5 C3(D)	UNKNOWN	1100	UG/KG	J	824KSN
	UNKNOWN C10	1600	UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF S5 C3(D)	UNKNOWN C11	2300 UG/KG	J	824KSN
	UNKNOWN_10	1000 UG/KG	J	
	UNKNOWN_11	850 UG/KG	J	
	UNKNOWN_12	1200 UG/KG	J	
	UNKNOWN_6	1800 UG/KG	J	
	UNKNOWN_7	4500 UG/KG	J	
	UNKNOWN_8	4900 UG/KG	J	
	UNKNOWN_9	1400 UG/KG	J	
	BENZENE, 1,1'-OXYBIS	710 UG/KG	J	827KSN
	C8 CYCLOHEXADIENEDIONE	5100 UG/KG	J	
	CHLORODIETHYLTRIAZINEDIAMI	800 UG/KG	J	
	CHLOROTRIFLUOROMETHYLANILI	5600 UG/KG	J	
	CHLOROTRIFLUOROMETHYLAN_3	23000 UG/KG	J	
	METHOXYSCHLOR ISOMER	1300 UG/KG	J	
	METHOXYSCHLOR ISOMER_3	3100 UG/KG	J	
	SULFUR, MOL. (S8)	1100 UG/KG	J	
	UNKNOWN	2400 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	1800 UG/KG	J	
	UNKNOWN HYDROCARBON	3400 UG/KG	J	
	UNKNOWN HYDROCARBON_40	5700 UG/KG	J	
	UNKNOWN_32	780 UG/KG	J	
	UNKNOWN_33	6400 UG/KG	J	
	UNKNOWN_34	2900 UG/KG	J	
	UNKNOWN_35	1500 UG/KG	J	
	UNKNOWN_36	1300 UG/KG	J	
	UNKNOWN_37	2300 UG/KG	J	
	UNKNOWN_38	2500 UG/KG	J	
	UNKNOWN_39	45000 UG/KG	J	
SF S5 D2(D)	1-CHLORO-4-(TRIFLUOROMETHY	690 UG/KG	J	824KSN
SF S5 D3(D)	UNKNOWN	1200 UG/KG	J	824KSN
	UNKNOWN C10	420 UG/KG	J	
	UNKNOWN C11	550 UG/KG	J	
	UNKNOWN_13	360 UG/KG	J	
	UNKNOWN_14	240 UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
SF S5 D3(D)	UNKNOWN_15	440	UG/KG	J	824KSN
	UNKNOWN_16	280	UG/KG	J	
	UNKNOWN_17	400	UG/KG	J	
	UNKNOWN_18	590	UG/KG	J	
	UNKNOWN_19	2000	UG/KG	J	
	BENZOQUINOLINE	12000	UG/KG	J	827KSN
	C4 NAPHTHALENE	24000	UG/KG	J	
	C8 CYCLOHEXADIENEDIONE	12000	UG/KG	J	
	CHLORONITROTRIFLUOROMETHYL	14000	UG/KG	J	
	CHLOROTRIFLUOROMETHYL ANILI	29000	UG/KG	J	
	CHLOROTRIFLUOROMETHYL ANI_4	120000	UG/KG	J	
	TINUVIN P	38000	UG/KG	J	
	UNKNOWN	8200	UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	11000	UG/KG	J	
	UNKNOWN CARBOXYLIC ACID_2	12000	UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE	17000	UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE_2	45000	UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE_3	41000	UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE_4	45000	UG/KG	J	
	UNKNOWN_41	10000	UG/KG	J	
	UNKNOWN_42	7400	UG/KG	J	
	UNKNOWN_43	31000	UG/KG	J	
	UNKNOWN_44	61000	UG/KG	J	
	UNKNOWN_45	51000	UG/KG	J	
	UNKNOWN_46	12000	UG/KG	J	
SF S9 B2(S)	TINUVIN P	1100	UG/KG	J	827KSN
	UNKNOWN	1100	UG/KG	J	
	UNKNOWN HYDRCARBON	530	UG/KG	J	
	UNKNOWN HYDROCARBON	470	UG/KG	J	
	UNKNOWN_47	2100	UG/KG	J	
	UNKNOWN_48	860	UG/KG	J	
	UNKNOWN_49	710	UG/KG	J	
SF S9 C1(S)	UNKNOWN CARBOXYLIC ACID ES	420	UG/KG	J	827KSN

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFICIAL SOIL

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF S12 A2	UNKNOWN HYDROCARBON	150 UG/KG	J	824KSN
	UNKNOWN HYDROCARBON_1	140 UG/KG	J	
	C20-PNA	2500 UG/KG	J	827KSN
	UNKNOWN_10	2600 UG/KG	J	
	UNKNOWN_11	1700 UG/KG	J	
	UNKNOWN_2	6400 UG/KG	J	
	UNKNOWN_3	2700 UG/KG	J	
	UNKNOWN_4	2600 UG/KG	J	
	UNKNOWN_5	110000 UG/KG	J	
	UNKNOWN_6	7300 UG/KG	J	
	UNKNOWN_7	7700 UG/KG	J	
	UNKNOWN_8	3000 UG/KG	J	
	UNKNOWN_9	8200 UG/KG	J	
SF-DUP 1	UNKNOWN HYDROCARBON	550 UG/KG	J	827KSN

TICs

275 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-10A	METHYL PARATHION	8.2 UG/KG	J	814SSN
	METHYLENE CHLORIDE	160 UG/KG	U	824KSN
	ARSENIC	4.2 MG/KG	J	ASGSSA
	BARIUM	32 MG/KG		ICPSSN
	BERYLLIUM	.66 MG/KG		
	CALCIUM	2460 MG/KG	J	
	CHROMIUM	8.4 MG/KG		
	COBALT	3.9 MG/KG		
	COPPER	4.5 MG/KG		
	IRON	11500 MG/KG		
	MAGNESIUM	1270 MG/KG	J	
	MANGANESE	148 MG/KG	J	
	NICKEL	3.5 MG/KG	ND	
	POTASSIUM	1010 MG/KG	J	
	SODIUM	223 MG/KG	ND	
	VANADIUM	10.3 MG/KG		
	ZINC	59.9 MG/KG		
	LEAD	9.8 MG/KG	J	PBGSSA
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B-10B	ALDRIN	1.2 UG/KG	J	808SSN
	FAMPHUR	6.6 UG/KG	J	814SSN
	THIONAZIN	6.3 UG/KG	J	
	METHYLENE CHLORIDE	150 UG/KG	U	824KSN
	ARSENIC	3.2 MG/KG	J	ASGSSA
	BARIUM	18.5 MG/KG		ICPSSN
	BERYLLIUM	.69 MG/KG		
	CALCIUM	1170 MG/KG	J	
	CHROMIUM	7.7 MG/KG		
	COBALT	3.9 MG/KG		
	COPPER	5.5 MG/KG		
	IRON	12800 MG/KG		
	MAGNESIUM	1990 MG/KG	J	
	MANGANESE	185 MG/KG	J	
	NICKEL	4.4 MG/KG	ND	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
B-10B	POTASSIUM	1170 MG/KG	J	ICPSSN
	VANADIUM	7.7 MG/KG		
	ZINC	50.3 MG/KG		
	LEAD	7.1 MG/KG	J	PBGSSA
<hr/>				
B-10C	GAMMA-BHC	1.3 UG/KG	J	808SSN
	ETHYL PARATHION	1.9 UG/KG	J	814SSN
	METHYLENE CHLORIDE	270 UG/KG	U	824KSN
	ARSENIC	2.9 MG/KG	J	ASGSSA
	BARIUM	19.2 MG/KG		ICPSSN
	BERYLLIUM	.64 MG/KG		
	CALCIUM	1100 MG/KG	J	
	CHROMIUM	7 MG/KG		
	COBALT	4.5 MG/KG		
	COPPER	6 MG/KG		
	IRON	11200 MG/KG		
	MAGNESIUM	1530 MG/KG	J	
	MANGANESE	167 MG/KG	J	
	NICKEL	3.6 MG/KG	ND	
	POTASSIUM	1020 MG/KG	J	
	VANADIUM	6.7 MG/KG		
	ZINC	33.9 MG/KG		
	LEAD	8.1 MG/KG	J	PBGSSA
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B-11A	ETHYLBENZENE	18000 UG/KG	J	824KSN
	M&P-XYLENE	59000 UG/KG		
	O-XYLENE	14000 UG/KG	J	
	TOLUENE	1200000 UG/KG		
	1,2,4-TRICHLOROBENZENE	190 UG/KG	J	827KSN
	2,4-DICHLOROPHENOL	3800 UG/KG		
	BIS(2-ETHYLHEXYL)PHTHALATE	3700 UG/KG	U	
	DCDF	1600 UG/KG	J	
	FLUORANTHENE	100 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-11A	IRGASAN DP-300	84000 UG/KG	J	827KSN
	NAPHTHALENE	260 UG/KG	J	
	PHENANTHRENE	75 UG/KG	J	
	PYRENE	120 UG/KG	J	
	TRCDF	35000 UG/KG		
	TCDF	33 NG/G		828SSN
	ARSENIC	5.9 MG/KG	J	ASGSSA
	BARIUM	16.2 MG/KG		ICPSSN
	BERYLLIUM	.47 MG/KG		
	CALCIUM	104 MG/KG	J	
	CHROMIUM	4.3 MG/KG		
	COBALT	2.5 MG/KG		
	COPPER	1.8 MG/KG		
	IRON	9500 MG/KG		
	MAGNESIUM	900 MG/KG	J	
	MANGANESE	141 MG/KG	J	
	NICKEL	3.4 MG/KG	ND	
	POTASSIUM	536 MG/KG	J	
	SODIUM	236 MG/KG	ND	
	VANADIUM	6.9 MG/KG		
	ZINC	30.1 MG/KG		
	LEAD	6.1 MG/KG	J	PBGSSA
B-11B	4,4'-DDE	710 UG/KG	J	808SSN
	4,4'-DDT	350 UG/KG		
	ISODRIN	220 UG/KG		
	2,4-D	8.2 UG/KG	J	815SSN
	ETHYLBENZENE	29000 UG/KG	J	824KSN
	M&P-XYLENE	120000 UG/KG		
	O-XYLENE	27000 UG/KG	J	
	TOLUENE	700000 UG/KG	J	
	2,4-DICHLOROPHENOL	6200 UG/KG	J	827KSN
	DCDF	2000 UG/KG	J	
	DIETHYLPHthalATE	670 UG/KG	J	
	FLUORANTHENE	1200 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-11B	IRGASAN DP-300	280000 UG/KG		827KSN
	NAPHTHALENE	680 UG/KG	J	
	PHENANTHRENE	1000 UG/KG	J	
	TRCDF	150000 UG/KG		
	TCDF	34 NG/G		828SSN
	ARSENIC	6.9 MG/KG	J	ASGSSA
	MERCURY	.34 MG/KG		HGC_SN
	BARIUM	25.2 MG/KG		ICPSSN
	BERYLLIUM	.49 MG/KG		
	CALCIUM	4910 MG/KG	J	
	CHROMIUM	8.2 MG/KG		
	COBALT	4.5 MG/KG		
	COPPER	8 MG/KG		
	IRON	10300 MG/KG		
	MAGNESIUM	1340 MG/KG	J	
	MANGANESE	.200 MG/KG	J	
	NICKEL	5.2 MG/KG		
	POTASSIUM	658 MG/KG	J	
	SODIUM	365 MG/KG	ND	
	VANADIUM	8.5 MG/KG		
	ZINC	39.9 MG/KG	J	
	LEAD	11 MG/KG		PBGSSA
	SELENIUM	.48 MG/KG	ND	SEGSSA
B-2A	ENDRIN ALDEHYDE	1.8 UG/KG	J	808SSN
	GAMMA-BHC	1.9 UG/KG		
	GAMMA-CHLORDANE	2.1 UG/KG		
	METHYL PARATHION	6.7 UG/KG	J	814SSN
	METHYLENE CHLORIDE	550 UG/KG	U	824KSN
	TOLUENE	79 UG/KG	J	
	ARSENIC	8.2 MG/KG	J	ASGSSA
	BARIUM	11.6 MG/KG		ICPSSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
B-2A	BERYLLIUM	.34	MG/KG		ICPSSN
	CALCIUM	584	MG/KG	J	
	CHROMIUM	12.6	MG/KG		
	COBALT	8.6	MG/KG		
	COPPER	13.2	MG/KG		
	IRON	17800	MG/KG		
	MAGNESIUM	3500	MG/KG	J	
	MANGANESE	243	MG/KG	J	
	NICKEL	17.6	MG/KG		
	POTASSIUM	307	MG/KG	J	
	SODIUM	135	MG/KG	ND	
	VANADIUM	10.6	MG/KG		
	ZINC	70.8	MG/KG	J	
	LEAD	11	MG/KG		PBGSSA
B-2B	PCB-1254	850	UG/KG	J	808SSN
	METHYL PARATHION	5.8	UG/KG	J	814SSN
	2-BUTANONE	130	UG/KG	J	824KSN
	M&P-XYLENE	29	UG/KG	J	
	METHYLENE CHLORIDE	250	UG/KG	U	
	O-XYLENE	8.7	UG/KG	J	
	TOLUENE	210	UG/KG	U	
	FLUORANTHENE	150	UG/KG	J	827KSN
	NAPHTHALENE	180	UG/KG	J	
	PHENANTHRENE	110	UG/KG	J	
	PYRENE	160	UG/KG	J	
	TRCDF	360	UG/KG	J	
	TCDF	1.2	NG/G		828SSN
	ARSENIC	11.3	MG/KG	J	ASGSSA
	BARIUM	24.1	MG/KG		ICPSSN
	BERYLLIUM	.56	MG/KG		
	CADMUM	.56	MG/KG		
	CALCIUM	2120	MG/KG	J	
	CHROMIUM	16.6	MG/KG		
	COBALT	7.7	MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-2B	COPPER	25.6 MG/KG		ICPSSN
	IRON	23900 MG/KG		
	MAGNESIUM	4210 MG/KG	J	
	MANGANESE	330 MG/KG	J	
	NICKEL	19.4 MG/KG		
	POTASSIUM	528 MG/KG	J	
	SODIUM	115 MG/KG	ND	
	VANADIUM	15.6 MG/KG		
	ZINC	58.6 MG/KG		
	LEAD	13.6 MG/KG	J	PBGSSA
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B-3A	PCB-1260	3300 UG/KG		808SSN
	DISULFOTON	9.5 UG/KG	J	814SSN
	ETHYLBENZENE	5900 UG/KG		824KSN
	M&P-XYLENE	33000 UG/KG		
	METHYLENE CHLORIDE	11000 UG/KG	U	
	O-XYLENE	9400 UG/KG		
	2,4-DIMETHYLPHENOL	180 UG/KG	J	827KSN
	TINUVIN 327	490 UG/KG	J	
	TRCDF	810 UG/KG	J	
	TCDF	1.1 NG/G		828SSN
	ARSENIC	5.6 MG/KG	J	ASGSSA
	BARIUM	14.5 MG/KG		ICPSSN
	BERYLLIUM	.31 MG/KG		
	CALCIUM	1180 MG/KG	J	
	CHROMIUM	9.9 MG/KG		
	COBALT	4.3 MG/KG		
	COPPER	18.2 MG/KG		
	IRON	10400 MG/KG		
	MAGNESIUM	1730 MG/KG	J	
	MANGANESE	128 MG/KG	J	
	NICKEL	9.1 MG/KG		
	POTASSIUM	417 MG/KG	J	
	SODIUM	166 MG/KG	ND	
	VANADIUM	12.4 MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-3A	ZINC	144 MG/KG	J	ICPSSN
	LEAD	11 MG/KG		PBGSSA
B-3B	GAMMA-BHC	15 UG/KG		808SSN
	PCB-1254	3800 UG/KG		
	METHYL PARATHION	5.8 UG/KG	J	814SSN
	2-BUTANONE	130 UG/KG	J	824KSN
	ETHYLBENZENE	5600 UG/KG		
	M&P-XYLENE	24000 UG/KG		
	METHYLENE CHLORIDE	360 UG/KG	U	
	O-XYLENE	5800 UG/KG		
	2,4-DIMETHYLPHENOL	260 UG/KG	J	827KSN
	BENZO(B)FLUORANTHENE	120 UG/KG	J	
	BENZO(K)FLUORANTHENE	160 UG/KG	J	
	FLUORANTHENE	85 UG/KG	J	
	NAPHTHALENE	81 UG/KG	J	
	PYRENE	83 UG/KG	J	
	TRCDF	530 UG/KG	J	
	TCDF	.55 NG/G		828SSN
	ARSENIC	8.6 MG/KG	J	ASGSSA
	BARIUM	12.2 MG/KG		ICPSSN
	BERYLLIUM	.4 MG/KG		
	CALCIUM	682 MG/KG	J	
	CHROMIUM	11 MG/KG		
	COBALT	5 MG/KG		
	COPPER	9.5 MG/KG		
	IRON	13600 MG/KG		
	MAGNESIUM	2490 MG/KG	J	
	MANGANESE	211 MG/KG	J	
	NICKEL	11.2 MG/KG		
	POTASSIUM	448 MG/KG	J	
	SODIUM	86 MG/KG	ND	
	VANADIUM	9.1 MG/KG		
	ZINC	38.8 MG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
B-3B	LEAD	11 MG/KG		PBGSSA
B-7A	ALDRIN	440 UG/KG	J	808SSN
	PCB-1260	13000 UG/KG	J	
	METHYL PARATHION	7 UG/KG	J	814SSN
	ETHYLBENZENE	40 UG/KG	J	824KSN
	M&P-XYLENE	210 UG/KG		
	METHYLENE CHLORIDE	170 UG/KG	U	
	TOLUENE	530 UG/KG	J	
	4-METHYLPHENOL	100 UG/KG	J	827KSN
	BUTYLBENZYLPHthalate	130 UG/KG	J	
	DI-N-BUTYLPHTHALATE	49 UG/KG	J	
	FLUORANTHENE	83 UG/KG	J	
	NAPHTHALENE	59 UG/KG	J	
	PHENANTHRENE	46 UG/KG	J	
	PYRENE	110 UG/KG	J	
	TRCDF	830 UG/KG	J	
	TCDF	1.2 NG/G		828SSN
	ARSENIC	2.5 MG/KG	J	ASGSSA
	MERCURY	.11 MG/KG		HGC_SN
	BARIUM	15 MG/KG		ICPSSN
	BERYLLIUM	.25 MG/KG		
	CALCIUM	5070 MG/KG	J	
	CHROMIUM	4.9 MG/KG		
	COBALT	1.4 MG/KG		
	COPPER	11.8 MG/KG		
	IRON	4350 MG/KG		
	MAGNESIUM	706 MG/KG	J	
	MANGANESE	63.4 MG/KG	J	
	NICKEL	6.8 MG/KG		
	POTASSIUM	551 MG/KG	J	
	SODIUM	177 MG/KG	ND	
	VANADIUM	4.9 MG/KG		
	ZINC	49.5 MG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-7A	LEAD	17 MG/KG		PBGSSA
B-7B	PCB-1254	5200 UG/KG		808SSN
	FAMPHUR	6.2 UG/KG	J	814SSN
	ETHYLBENZENE	120 UG/KG		824KSN
	M&P-XYLENE	430 UG/KG		
	METHYLENE CHLORIDE	330 UG/KG	U	
	STYRENE	49 UG/KG	J	
	TOLUENE	4600 UG/KG	J	
	TCDF	1.6 NG/G		828SSN
	ARSENIC	4.2 MG/KG	J	ASGSSA
	MERCURY	.15 MG/KG		HGC_SN
	BARIUM	21 MG/KG		ICPSSN
	BERYLLIUM	.38 MG/KG		
	CADMIUM	.6 MG/KG		
	CALCIUM	5590 MG/KG	J	
	CHROMIUM	6 MG/KG		
	COBALT	2.6 MG/KG		
	COPPER	6.7 MG/KG		
	IRON	7170 MG/KG		
	MAGNESIUM	1230 MG/KG	J	
	MANGANESE	122 MG/KG	J	
	NICKEL	5.9 MG/KG		
	POTASSIUM	739 MG/KG	J	
	SODIUM	117 MG/KG	ND	
	VANADIUM	9.7 MG/KG		
	ZINC	87.2 MG/KG	J	
	LEAD	15 MG/KG		PBGSSA
B-8A	PCB-1254	1800 UG/KG		808SSN
	METHYL PARATHION	5.6 UG/KG	J	814SSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID	QUAL		
		DATA	UNITS	QC2	METHOD
B-8A	ETHYLBENZENE	260	UG/KG		824KSN
	M&P-XYLENE	1100	UG/KG		
	METHYLENE CHLORIDE	270	UG/KG	U	
	O-XYLENE	330	UG/KG		
	TOLUENE	4400	UG/KG	J	
	ACENAPHTHENE	150	UG/KG	J	827KSN
	ANTHRACENE	360	UG/KG	J	
	BENZO(A)ANTHRACENE	1200	UG/KG		
	BENZO(A)PYRENE	1300	UG/KG		
	BENZO(B)FLUORANTHENE	2100	UG/KG		
	BENZO(G,H,I)PERYLENE	970	UG/KG	J	
	BENZO(K)FLUORANTHENE	2700	UG/KG		
	BUTYLBENZYLPHthalATE	110	UG/KG	J	
	CHRYSENE	1400	UG/KG		
	DIBENZ(A,H)ANTHRACENE	300	UG/KG	J	
	DIBENZOFURAN	68	UG/KG	J	
	FLUORANTHENE	2400	UG/KG		
	FLUORENE	96	UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	900	UG/KG	J	
	NAPHTHALENE	95	UG/KG	J	
	NITROBENZENE	120	UG/KG	J	
	PHENANTHRENE	1200	UG/KG		
	PYRENE	2100	UG/KG		
	TRCDF	1200	UG/KG	J	
	TCDF	.36	NG/G		828SSN
	ARSENIC	8.1	MG/KG	J	ASGSSA
	CYANIDE	1.7	MG/KG		CNTSSA
	MERCURY	.11	MG/KG		HGC_SN
	BARIUM	27.8	MG/KG		ICPSSN
	BERYLLIUM	.64	MG/KG		
	CALCIUM	6170	MG/KG	J	
	CHROMIUM	6.3	MG/KG		
	COBALT	2.6	MG/KG		
	COPPER	6.5	MG/KG		
	IRON	7240	MG/KG		
	MAGNESIUM	1120	MG/KG	J	
	MANGANESE	110	MG/KG	J	
	NICKEL	3.7	MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-8A	POTASSIUM	696 MG/KG	J	ICPSSN
	SODIUM	190 MG/KG	ND	
	VANADIUM	7.5 MG/KG		
	ZINC	136 MG/KG	J	
	LEAD	19 MG/KG		PBGSSA
	SELENIUM	.4 MG/KG	ND	SEGSSA
B-8A DUP	TCDF	.52 NG/G		828SSN
B-8B	ETHYLBENZENE	50000 UG/KG		824KSN
	M&P-XYLENE	400000 UG/KG		
	O-XYLENE	120000 UG/KG		
	TOLUENE	4600 UG/KG	J	
	BENZO(A)ANTHRACENE	1000 UG/KG	J	827KSN
	BENZO(B)FLUORANTHENE	1900 UG/KG	J	
	BENZO(K)FLUORANTHENE	2400 UG/KG	J	
	CHRYSENE	1200 UG/KG	J	
	FLUORANTHENE	1800 UG/KG	J	
	NAPHTHALENE	680 UG/KG	J	
PHENANTHRENE	1100 UG/KG	J		
PYRENE	1700 UG/KG	J		
TCDF	.46 NG/G			828SSN
ARSENIC	2.5 MG/KG	J		ASGSSA
CYANIDE	1.2 MG/KG			CNTSSA
MERCURY	.25 MG/KG			HGC_SN
BARIUM	37.1 MG/KG			ICPSSN
BERYLLIUM	.69 MG/KG			
CALCIUM	8440 MG/KG	J		
CHROMIUM	8.3 MG/KG			
COBALT	2.4 MG/KG			
COPPER	11.2 MG/KG			
IRON	8030 MG/KG			

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
B-8B	MAGNESIUM	1170	MG/KG	J	ICPSSN
	MANGANESE	133	MG/KG	J	
	NICKEL	5.1	MG/KG		
	POTASSIUM	685	MG/KG	J	
	SODIUM	213	MG/KG	ND	
	VANADIUM	8.4	MG/KG		
	ZINC	339	MG/KG	J	
	LEAD	23	MG/KG		PBGSSA

368 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-10C	UNKNOWN_12	1100 UG/KG	J	827KSN
	UNKNOWN_7	1100 UG/KG	J	
B-11A	UNKNOWN CHLOROMETHYLBENZEN	470000 UG/KG	J	824KSN
	UNKNOWN DIMETHYLCYCLOHEXAN	29000 UG/KG	J	
	UNKNOWN HYDROCARBON	42000 UG/KG	J	
	BENZENE, 1,1'-OXYBIS-	920 UG/KG	J	827KSN
	C3-DIHYDROPHENYL INDENE	3800 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	760 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID_6	450 UG/KG	J	
	UNKNOWN_12	750 UG/KG	J	
	UNKNOWN_2	750 UG/KG	J	
	UNKNOWN_4	1300 UG/KG	J	
	UNKNOWN_5	2200 UG/KG	J	
	UNKNOWN_7	3100 UG/KG	J	
	UNKNOWN_8	990 UG/KG	J	
	UNKNOWN_9	5100 UG/KG	J	
B-11B	UNKNOWN	1400000 UG/KG	J	824KSN
	1,1'-BIPHENYL	5800 UG/KG	J	827KSN
	BENZENE, 1,1'-OXYBIS-	20000 UG/KG	J	
	UNKNOWN	50000 UG/KG	J	
B-2B	UNKNOWN HYDROCARBON	240 UG/KG	J	824KSN
	UNKNOWN HYDROCARBON_1	140 UG/KG	J	
	UNKNOWN HYDROCARBON_2	260 UG/KG	J	
	UNKNOWN HYDROCARBON_3	140 UG/KG	J	
B-3A	OCTANE	160000 UG/KG	J	824KSN
	UNKNOWN HYDROCARBON	40000 UG/KG	J	
	UNKNOWN HYDROCARBON_1	34000 UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
B-3A	UNKNOWN HYDROCARBON_2	57000	UG/KG	J	824KSN
	UNKNOWN HYDROCARBON_3	31000	UG/KG	J	
	UNKNOWN HYDROCARBON_4	72000	UG/KG	J	
	UNKNOWN HYDROCARBON_5	65000	UG/KG	J	
	UNKNOWN HYDROCARBON_6	110000	UG/KG	J	
	UNKNOWN HYDROCARBON_7	57000	UG/KG	J	
	UNKNOWN HYDROCARBON_8	65000	UG/KG	J	
	1,1'-BIPHENYL, HEXACHLORO-	860	UG/KG	J	827KSN
	1,1'-BIPHENYL,HEXACHLORO-	830	UG/KG	J	
	1,1'-BIPHENYL,HEXACHLORO-_1	520	UG/KG	J	
	C20 PNA	440	UG/KG	J	
	TINUVIN P	590	UG/KG	J	
	UNKNOWN	5300	UG/KG	J	
	UNKNOWN_1	600	UG/KG	J	
	UNKNOWN_2	1800	UG/KG	J	
	UNKNOWN_3	750	UG/KG	J	
	UNKNOWN_4	2400	UG/KG	J	
	UNKNOWN_5	1200	UG/KG	J	
B-3B	1,1'-BIPHENYL,HEXACHLORO-_1	580	UG/KG	J	827KSN
	1,1'-BIPHENYL,HEXACHLORO-_2	560	UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-	780	UG/KG	J	
	1,1'-BIPHENYL,PENTACHLORO-_1	1000	UG/KG	J	
	C2-CYCLOHEXANE	880	UG/KG	J	
	C5-BENZENE	1000	UG/KG	J	
	SULFUR, MOL. (S8)	1900	UG/KG	J	
	UNKNOWN	1400	UG/KG	J	
	UNKNOWN_1	520	UG/KG	J	
B-7A	UNKNOWN	130	UG/KG	J	824KSN
	UNKNOWN_1	140	UG/KG	J	
	1,1'-BIPHENYL,HEPTACHLORO-	560	UG/KG	J	827KSN
	1,1'-BIPHENYL,HEPTACHLORO-_1	1200	UG/KG	J	
	1,1'-BIPHENYL,HEXACHLORO-	660	UG/KG	J	
	1,1'-BIPHENYL,HEXACHLORO-_1	3100	UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-7A	1,1'-BIPHENYL, HEXACHLORO- _2	720 UG/KG	J	827KSN
	1,1'-BIPHENYL, HEXACHLORO- _3	3100 UG/KG	J	
	1,1'-BIPHENYL, PENTACHLORO-	790 UG/KG	J	
	1,1'-BIPHENYL, PENTACHLORO- _1	2300 UG/KG	J	
	1,1'-BIPHENYL, PENTACHLORO- _2	750 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO-	640 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO- _1	550 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO- _2	410 UG/KG	J	
	UNKNOWN	980 UG/KG	J	
	UNKNOWN_1	2500 UG/KG	J	
	UNKNOWN_2	500 UG/KG	J	
	UNKNOWN_3	1100 UG/KG	J	
	UNKNOWN_4	7000 UG/KG	J	
B-7B	UNKNOWN	5400 UG/KG	J	827KSN
B-8A	UNKNOWN	190 UG/KG	J	824KSN
	UNKNOWN_1	360 UG/KG	J	
	UNKNOWN_2	120 UG/KG	J	
	1,1'-BIPHENYL, HEXACHLORO-	620 UG/KG	J	827KSN
	1,1'-BIPHENYL, PENTACHLORO-	1000 UG/KG	J	
	1,1'-BIPHENYL, PENTACHLORO- _1	440 UG/KG	J	
	1,1'-BIPHENYL, PENTACHLORO- _2	1300 UG/KG	J	
	1,1'-BIPHENYL, TETRACHLORO-	450 UG/KG	J	
	C20 PNA	1900 UG/KG	J	
	C9 PHENOL	490 UG/KG	J	
	UNKNOWN	780 UG/KG	J	
	UNKNOWN_1	470 UG/KG	J	
	UNKNOWN_2	530 UG/KG	J	
	UNKNOWN_3	2300 UG/KG	J	
	UNKNOWN_4	970 UG/KG	J	
B-8B	C9 PHENOL	13000 UG/KG	J	827KSN
	METHYLFLUORENE	4500 UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BORINGS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
B-8B	OCTYL PHENOL ISOMER	7700 UG/KG	J	827KSN
	OCTYL PHENOL ISOMER_1	13000 UG/KG	J	
	SULFUR, MOL. (S8)	11000 UG/KG	J	
	UNKNOWN	20000 UG/KG	J	
	UNKNOWN HYDROCARBON	18000 UG/KG	J	
	UNKNOWN_1	3400 UG/KG	J	
	UNKNOWN_2	9500 UG/KG	J	
	UNKNOWN_3	16000 UG/KG	J	
	UNKNOWN_4	60000 UG/KG	J	
	UNKNOWN_5	470000 UG/KG	J	
	UNKNOWN_6	9700 UG/KG	J	
	UNKNOWN_7	11000 UG/KG	J	
	UNKNOWN_8	21000 UG/KG	J	
	UNKNOWN_9	35000 UG/KG	J	

TICs

105 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SPLIT SPOON

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SS-MW-16S	METHYL PARATHION	4.6 UG/KG	J	814SSN
	ARSENIC	5.8 MG/KG	J	ASGSSA
	BARIUM	13.9 MG/KG		ICPSSN
	CALCIUM	929 MG/KG	J	
	CHROMIUM	4.5 MG/KG		
	COBALT	2.9 MG/KG		
	COPPER	2.6 MG/KG		
	IRON	10600 MG/KG		
	MAGNESIUM	1190 MG/KG	J	
	MANGANESE	106 MG/KG	J	
	NICKEL	2.3 MG/KG	ND	
	POTASSIUM	826 MG/KG	J	
	VANADIUM	6.4 MG/KG		
	ZINC	20.6 MG/KG		
	LEAD	3.3 MG/KG	J	PBGSSA
SS-MW-17S	ARSENIC	6.8 MG/KG	J	ASGSSA
	BARIUM	13.4 MG/KG		ICPSSN
	BERYLLIUM	.59 MG/KG		
	CALCIUM	786 MG/KG	J	
	CHROMIUM	5.8 MG/KG		
	COBALT	3.5 MG/KG		
	COPPER	6.4 MG/KG		
	IRON	9430 MG/KG		
	MAGNESIUM	1300 MG/KG	J	
	MANGANESE	290 MG/KG	J	
	NICKEL	5.4 MG/KG	ND	
	POTASSIUM	612 MG/KG	J	
	SODIUM	116 MG/KG	ND	
	VANADIUM	5.9 MG/KG		
	ZINC	44.3 MG/KG		
	LEAD	4.7 MG/KG	J	PBGSSA

31 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-00M	ANTHRACENE	110 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	280 UG/KG	J	
	BENZO(B)FLUORANTHENE	410 UG/KG	J	
	BENZO(K)FLUORANTHENE	420 UG/KG	J	
	CHRYSENE	340 UG/KG	J	
	FLUORANTHENE	640 UG/KG	J	
	FLUORENE	69 UG/KG	J	
	PHENANTHRENE	740 UG/KG	J	
	PYRENE	760 UG/KG	J	
	ARSENIC	9.8 MG/KG	J	ASGSSA
	BARIUM	13.1 MG/KG	J	ICPSSN
	BERYLLIUM	.5 MG/KG		
	CALCIUM	883 MG/KG	J	
	CHROMIUM	16.4 MG/KG	J	
	COBALT	2.1 MG/KG	J	
	COPPER	9 MG/KG	J	
	IRON	7230 MG/KG		
	MAGNESIUM	1570 MG/KG	J	
	MANGANESE	137 MG/KG	J	
	NICKEL	5.8 MG/KG	ND	
	POTASSIUM	472 MG/KG		
	SODIUM	165 MG/KG	ND	
	VANADIUM	4.4 MG/KG		
	ZINC	35.2 MG/KG	J	
	LEAD	19.7 MG/KG		PBGSSA
SD-01P	4,4'-DDD	14 UG/KG	J	808SSN
	BENZO(A)ANTHRACENE	180 UG/KG	J	827KSN
	BENZO(B)FLUORANTHENE	320 UG/KG	J	
	BENZO(K)FLUORANTHENE	340 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1100 UG/KG	J	
	CHRYSENE	220 UG/KG	J	
	DCDF	400 UG/KG	J	
	FLUORANTHENE	340 UG/KG	J	
	PHENANTHRENE	200 UG/KG	J	
	PYRENE	410 UG/KG	J	
	TINUVIN 327	230 UG/KG	J	
	TRCDF	1400 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SD-01P	TCDF	3.4 NG/G		828SSN
	ARSENIC	5.9 MG/KG	J	ASGSSA
	BARIUM	28 MG/KG	J	ICPSSN
	BERYLLIUM	.53 MG/KG		
	CALCIUM	1550 MG/KG	J	
	CHROMIUM	8.9 MG/KG	J	
	COBALT	3.2 MG/KG	J	
	COPPER	15.9 MG/KG	J	
	IRON	8000 MG/KG		
	MAGNESIUM	1090 MG/KG	J	
	MANGANESE	94.3 MG/KG	J	
	NICKEL	6.8 MG/KG	ND	
	POTASSIUM	441 MG/KG		
	SODIUM	113 MG/KG	ND	
	VANADIUM	11.9 MG/KG		
	ZINC	142 MG/KG	J	
	LEAD	50.5 MG/KG		PBGSSA
SD-01R	CHLOROBENZENE	640 UG/KG		824KSN
	M&P-XYLENE	21 UG/KG	J	
	METHYLENE CHLORIDE	300 UG/KG	U	
	O-XYLENE	70 UG/KG	J	
	1,2-DICHLOROBENZENE	120 UG/KG	J	827KSN
	2-METHYLNAPHTHALENE	9900 UG/KG		
	ACENAPHTHENE	200 UG/KG	J	
	ANTHRACENE	200 UG/KG	J	
	BENZO(A)ANTHRACENE	960 UG/KG	J	
	BENZO(A)PYRENE	1100 UG/KG	J	
	BENZO(B)FLUORANTHENE	2100 UG/KG		
	BENZO(G,H,I)PERYLENE	1100 UG/KG	J	
	BENZO(K)FLUORANTHENE	2200 UG/KG		
	BIS(2-ETHYLHEXYL)PHTHALATE	2500 UG/KG		
	DIBENZOFURAN	120 UG/KG	J	
	FLUORANTHENE	2300 UG/KG		
	FLUORENE	180 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	1200 UG/KG	J	
	PHENANTHRENE	1300 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-01R	PYRENE	2300 UG/KG		827KSN
	TRCDF	430 UG/KG	J	
	ARSENIC	6.2 MG/KG	J	ASGSSA
	MERCURY	.14 MG/KG	J	HGC_SN
	BARIUM	31.5 MG/KG	J	ICPSSN
	BERYLLIUM	.59 MG/KG		
	CADMIUM	2.4 MG/KG		
	CALCIUM	965 MG/KG	J	
	CHROMIUM	49.6 MG/KG	J	
	COBALT	3.3 MG/KG	J	
	COPPER	68.4 MG/KG	J	
	IRON	7700 MG/KG		
	MAGNESIUM	974 MG/KG	J	
	MANGANESE	147 MG/KG	J	
	NICKEL	13.1 MG/KG		
	POTASSIUM	390 MG/KG		
	SODIUM	209 MG/KG	ND	
	VANADIUM	11.1 MG/KG		
	ZINC	135 MG/KG	J	
	LEAD	173 MG/KG		PBGSSA
	ANTIMONY	.96 MG/KG	J	SBGSSA
SD-02L	ALPHA-BHC	38 UG/KG		808SSN
	DIELDRIN	32 UG/KG		
	TOLUENE	76 UG/KG	J	824KSN
	1,2-DICHLOROBENZENE	240 UG/KG	J	827KSN
	2-METHYLNAPHTHALENE	680 UG/KG	J	
	ACENAPHTHENE	280 UG/KG	J	
	ACENAPHTHYLENE	89 UG/KG	J	
	ANTHRACENE	750 UG/KG	J	
	BENZO(A)ANTHRACENE	3800 UG/KG		
	BENZO(A)PYRENE	4100 UG/KG		
	BENZO(B)FLUORANTHENE	8900 UG/KG		
	BENZO(G,H,I)PERYLENE	4800 UG/KG		
	BENZO(K)FLUORANTHENE	9300 UG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-02L	BIS(2-ETHYLHEXYL)PHTHALATE	3000 UG/KG		827KSN
	CHRYSENE	6900 UG/KG		
	DCDF	500 UG/KG	J	
	DIBENZOFURAN	280 UG/KG	J	
	FLUORANTHENE	10000 UG/KG		
	FLUORENE	790 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	4300 UG/KG		
	PHENANTHRENE	6200 UG/KG		
	PYRENE	11000 UG/KG		
	ARSENIC	23.5 MG/KG	J	ASGSSA
	CYANIDE	22.1 MG/KG		CNTSSA
	MERCURY	.83 MG/KG	J	HGC_SN
	BARIUM	378 MG/KG	J	ICPSSN
	BERYLLIUM	4 MG/KG		
	CADMIUM	8.7 MG/KG		
	CALCIUM	4630 MG/KG	J	
	CHROMIUM	1260 MG/KG	J	
	COBALT	11 MG/KG	J	
	COPPER	1080 MG/KG	J	
	IRON	26500 MG/KG		
	MAGNESIUM	3950 MG/KG	J	
	MANGANESE	377 MG/KG	J	
	NICKEL	38.7 MG/KG		
	POTASSIUM	1950 MG/KG		
	SODIUM	316 MG/KG	ND	
	VANADIUM	34.7 MG/KG		
	ZINC	2150 MG/KG	J	
	LEAD	221 MG/KG		PBGSSA
	TIN	59.2 MG/KG		SNEKSN
SD-02P	4-CHLOROPHENYL-PHENYLETHER	190 UG/KG	J	827KSN
	BENZO(B)FLUORANTHENE	460 UG/KG	J	
	BENZO(K)FLUORANTHENE	480 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	780 UG/KG	J	
	CHRYSENE	250 UG/KG	J	
	DCDF	2200 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
SD-02P	FLUORANTHENE	410	UG/KG	J	827KSN
	PHENANTHRENE	230	UG/KG	J	
	PYRENE	500	UG/KG	J	
	TINUVIN 327	510	UG/KG	J	
	TRCDF	5800	UG/KG		
	TCDF	10	NG/G		828SSN
	ARSENIC	4.3	MG/KG	J	ASGSSA
	BARIUM	23	MG/KG	J	
	BERYLLIUM	.37	MG/KG		ICPSSN
	CALCIUM	1130	MG/KG	J	
	CHROMIUM	6.5	MG/KG	J	
	COBALT	2.5	MG/KG	J	
	COPPER	13.7	MG/KG	J	
	IRON	6370	MG/KG		
	MAGNESIUM	906	MG/KG	J	
	MANGANESE	72.2	MG/KG	J	
	NICKEL	9.4	MG/KG	ND	
	POTASSIUM	360	MG/KG		
	SODIUM	126	MG/KG	ND	
	VANADIUM	8.8	MG/KG		
	ZINC	161	MG/KG	J	
	LEAD	32.8	MG/KG		PBGSSA
SD-02R	PCB-1248	620	UG/KG		808SSN
	PCB-1254	6200	UG/KG		
	CHLOROBENZENE	34000	UG/KG		824KSN
	1,2-DICHLOROBENZENE	670	UG/KG	J	827KSN
	1,4-DICHLOROBENZENE	590	UG/KG	J	
	2-METHYLNAPHTHALENE	940	UG/KG	J	
	ACENAPHTHENE	180	UG/KG	J	
	ANTHRACENE	440	UG/KG	J	
	BENZO(A)ANTHRACENE	2400	UG/KG	J	
	BENZO(A)PYRENE	2400	UG/KG	J	
	BENZO(B)FLUORANTHENE	6000	UG/KG		
	BENZO(G,H,I)PERYLENE	3000	UG/KG	J	
	BENZO(K)FLUORANTHENE	6300	UG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-02R	BIS(2-ETHYLHEXYL)PHTHALATE	28000 UG/KG		827KSN
	CHRYSENE	4000 UG/KG	J	
	DIBENZOFURAN	230 UG/KG	J	
	FLUORANTHENE	6400 UG/KG		
	FLUORENE	430 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	3000 UG/KG	J	
	PHENANTHRENE	2700 UG/KG	J	
	PYRENE	6800 UG/KG		
	ARSENIC	33.7 MG/KG	J	ASGSSA
	CYANIDE	31.4 MG/KG		CNTSSA
	MERCURY	.38 MG/KG	J	HGC_SN
	BARIUM	380 MG/KG	J	ICPSSN
	BERYLLIUM	4.2 MG/KG		
	CADMIUM	15.3 MG/KG		
	CALCIUM	5720 MG/KG	J	
	CHROMIUM	394 MG/KG	J	
	COBALT	10.6 MG/KG	J	
	COPPER	953 MG/KG	J	
	IRON	24300 MG/KG		
	MAGNESIUM	3010 MG/KG	J	
	MANGANESE	394 MG/KG	J	
	NICKEL	166 MG/KG		
	POTASSIUM	1610 MG/KG		
	SILVER	17.1 MG/KG		
	SODIUM	952 MG/KG		
	VANADIUM	49.4 MG/KG		
	ZINC	1770 MG/KG	J	
	LEAD	829 MG/KG		PBGSSA
	ANTIMONY	6.9 MG/KG	J	SBGSSA
	TIN	75.2 MG/KG		SNEKSN
SD-05L	DIELDRIN	5.3 UG/KG	J	808SSN
	DISULFOTON	2.7 UG/KG	J	814SSN
	METHYL PARATHION	4.6 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SD-05L	METHYLENE CHLORIDE	210 UG/KG	U	824KSN
	TOLUENE	35 UG/KG	J	
	ANTHRACENE	48 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	320 UG/KG	J	
	BENZO(B)FLUORANTHENE	530 UG/KG	J	
	BENZO(K)FLUORANTHENE	550 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	300 UG/KG	J	
	CHRYSENE	370 UG/KG	J	
	DI-N-BUTYLPHTHALATE	23 UG/KG	J	
	FLUORANTHENE	600 UG/KG	J	
	PHENANTHRENE	280 UG/KG	J	
	PYRENE	670 UG/KG	J	
	TINUVIN 327	230 UG/KG	J	
	HXCDD	280 NG/G	*	828SSN
	HXCDF	610 NG/G	*	
	PECDD	2.5 NG/G	*	
	PECDF	48 NG/G	*	
	TCDD	1.4 NG/G	*	
	TCDF	1.2 NG/G	*	
	ARSENIC	2 MG/KG	J	ASGSSA
	BARIUM	15.3 MG/KG	J	ICPSSN
	BERYLLIUM	.63 MG/KG		
	CALCIUM	710 MG/KG	J	
	CHROMIUM	15.8 MG/KG	J	
	COBALT	1.8 MG/KG	J	
	COPPER	15.2 MG/KG	J	
	IRON	4570 MG/KG		
	MAGNESIUM	734 MG/KG	J	
	MANGANESE	74.2 MG/KG	J	
	NICKEL	5.5 MG/KG	ND	
	POTASSIUM	269 MG/KG		
	VANADIUM	2.1 MG/KG		
	ZINC	47 MG/KG	J	
	LEAD	24.7 MG/KG		PBGSSA
SD-06R	ALPHA-BHC	26 UG/KG	J	808SSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-06R	DIELDRIN	23 UG/KG	J	808SSN
	ENDOSULFAN II	1.5 UG/KG	J	
	GAMMA-CHLORDANE	19 UG/KG	J	
	METHYL PARATHION	44 UG/KG	J	814SSN
	ANTHRACENE	85 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	960 UG/KG	J	
	BENZO(A)PYRENE	790 UG/KG	J	
	BENZO(B)FLUORANTHENE	2100 UG/KG		
	BENZO(K)FLUORANTHENE	2200 UG/KG		
	CHRYSENE	1100 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	1000 UG/KG	J	
	PHENANTHRENE	640 UG/KG	J	
	PYRENE	1700 UG/KG		
	ARSENIC	3.9 MG/KG	J	ASGSSA
	BARIUM	26.7 MG/KG	J	ICPSSN
	BERYLLIUM	.66 MG/KG		
	CADMIUM	2 MG/KG		
	CALCIUM	657 MG/KG	J	
	CHROMIUM	23.1 MG/KG	J	
	COBALT	2.6 MG/KG	J	
	COPPER	21.3 MG/KG	J	
	IRON	6360 MG/KG		
	MAGNESIUM	913 MG/KG	J	
	MANGANESE	140 MG/KG	J	
	NICKEL	9.4 MG/KG	ND	
	SODIUM	122 MG/KG	ND	
	VANADIUM	2.9 MG/KG		
	ZINC	63.1 MG/KG	J	
	LEAD	28.4 MG/KG		PBGSSA
SD-07L	DISULFOTON	120 UG/KG	J	814SSN
	2,4-D	24 UG/KG	J	815SSA
	ACENAPHTHENE	49 UG/KG	J	827KSN
	ANTHRACENE	150 UG/KG	J	
	BENZO(A)ANTHRACENE	760 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-07L	BENZO(A)PYRENE	690 UG/KG	J	827KSN
	BENZO(G,H,I)PERYLENE	830 UG/KG	J	
	BENZO(K)FLUORANTHENE	1600 UG/KG		
	BIS(2-ETHYLHEXYL)PHTHALATE	5000 UG/KG		
	BUTYLBENZYLPHthalate	220 UG/KG	J	
	CHRYSENE	1100 UG/KG	J	
	DI-N-BUTYLPHthalate	38 UG/KG	J	
	DIBENZOFURAN	46 UG/KG	J	
	FLUORANTHENE	1800 UG/KG		
	FLUORENE	78 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	900 UG/KG	J	
	PHENANTHRENE	980 UG/KG	J	
	PYRENE	1800 UG/KG		
	TINUVIN 327	220 UG/KG	J	
	HXCDD	1100 NG/G	*	828SSN
	HXCDF	2300 NG/G	*	
	PECDD	17 NG/G	*	
	PECDF	150 NG/G	*	
	TCDD	5.7 NG/G	*	
	TCDF	8.9 NG/G	*	
	ARSENIC	6.6 MG/KG	J	ASGSSA
	CYANIDE	1.1 MG/KG		CNTSSA
	MERCURY	.34 MG/KG	J	HGC_SN
	BARIUM	104 MG/KG	J	ICPSSN
	BERYLLIUM	1.8 MG/KG		
	CADMIUM	8.9 MG/KG		
	CALCIUM	1720 MG/KG	J	
	CHROMIUM	55.7 MG/KG	J	
	COBALT	6.1 MG/KG	J	
	COPPER	164 MG/KG	J	
	IRON	12400 MG/KG		
	MAGNESIUM	1370 MG/KG	J	
	MANGANESE	304 MG/KG	J	
	NICKEL	36.2 MG/KG		
	POTASSIUM	821 MG/KG		
	SILVER	1.2 MG/KG		
	SODIUM	143 MG/KG	ND	
	VANADIUM	13.4 MG/KG		
	ZINC	225 MG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-07L	LEAD	127 MG/KG		PBGSSA
	TIN	19.3 MG/KG		SNEKSN
SD-08M	DIELDRIN	5.1 UG/KG	J	808SSN
	GAMMA-CHLORDANE	7.3 UG/KG		
	HEPTACHLOR	9.7 UG/KG	U	
	METHYL PARATHION	2.4 UG/KG	J	814SSN
	ANTHRACENE	65 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	280 UG/KG	J	
	BENZO(B)FLUORANTHENE	470 UG/KG	J	
	BENZO(K)FLUORANTHENE	490 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	810 UG/KG	J	
	CHRYSENE	400 UG/KG	J	
	FLUORANTHENE	640 UG/KG	J	
	FLUORENE	35 UG/KG	J	
	PHENANTHRENE	450 UG/KG	J	
	PYRENE	710 UG/KG	J	
	ARSENIC	3.2 MG/KG	J	ASGSSA
	BARIUM	15.5 MG/KG	J	ICPSSN
	BERYLLIUM	.5 MG/KG		
	CALCIUM	677 MG/KG	J	
	CHROMIUM	14.6 MG/KG	J	
	COBALT	2.1 MG/KG	J	
	COPPER	10.5 MG/KG	J	
	IRON	5660 MG/KG		
	MAGNESIUM	996 MG/KG	J	
	MANGANESE	85.8 MG/KG	J	
	NICKEL	5.2 MG/KG	ND	
	POTASSIUM	410 MG/KG		
	SODIUM	127 MG/KG	ND	
	VANADIUM	3.3 MG/KG		
	ZINC	32.3 MG/KG	J	
	LEAD	13 MG/KG		PBGSSA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-10M	DIELDRIN	25 UG/KG	J	808SSN
	ANTHRACENE	160 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	670 UG/KG	J	
	BENZO(A)PYRENE	560 UG/KG	J	
	BENZO(B)FLUORANTHENE	1100 UG/KG	J	
	BENZO(K)FLUORANTHENE	1200 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	4100 UG/KG		
	BUTYLBENZYLPHthalate	240 UG/KG	J	
	CHRYSENE	790 UG/KG	J	
	DI-N-BUTYLPHTHALATE	53 UG/KG	J	
	DI-N-OCTYLPHTHALATE	1400 UG/KG		
	FLUORENE	65 UG/KG	J	
	PHENANTHRENE	770 UG/KG	J	
	PYRENE	1500 UG/KG		
	TINUVIN 327	1200 UG/KG	J	
	ARSENIC	2.2 MG/KG	J	ASGSSA
	BARIUM	27 MG/KG	J	ICPSSN
	BERYLLIUM	.57 MG/KG		
	CADMIUM	1.6 MG/KG		
	CALCIUM	1250 MG/KG	J	
	CHROMIUM	15.9 MG/KG	J	
	COBALT	3.3 MG/KG		
	COPPER	21.5 MG/KG	J	
	IRON	6910 MG/KG		
	MAGNESIUM	1020 MG/KG	J	
	MANGANESE	164 MG/KG	J	
	NICKEL	11.6 MG/KG	ND	
	POTASSIUM	554 MG/KG		
	VANADIUM	4.5 MG/KG		
	ZINC	58.4 MG/KG	J	
	LEAD	18.5 MG/KG		PBGSSA
SD-20M	METHYL PARATHION	5.1 UG/KG	J	814SSN
	2-METHYLNAPHTHALENE	49 UG/KG	J	827KSN
	ANTHRACENE	44 UG/KG	J	
	BENZO(A)ANTHRACENE	240 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SD-20M	BENZO(B)FLUORANTHENE	330	UG/KG	J	827KSN
	BENZO(K)FLUORANTHENE	340	UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1500	UG/KG		
	CHRYSENE	300	UG/KG	J	
	FLUORANTHENE	560	UG/KG	J	
	PHENANTHRENE	590	UG/KG	J	
	PYRENE	720	UG/KG	J	
	TINUVIN 327	180	UG/KG	J	
	ARSENIC	2.9	MG/KG	J	ASGSSA
	BARIUM	15.7	MG/KG	J	ICPSSN
	BERYLLIUM	.49	MG/KG		
	CALCIUM	527	MG/KG	J	
	CHROMIUM	9.3	MG/KG	J	
	COBALT	1.3	MG/KG	J	
	COPPER	4	MG/KG	J	
	IRON	5760	MG/KG		
	MAGNESIUM	502	MG/KG	J	
	MANGANESE	79.9	MG/KG	J	
	NICKEL	2.9	MG/KG	ND	
	POTASSIUM	327	MG/KG		
	ZINC	31.3	MG/KG	J	
	LEAD	13.6	MG/KG		PBGSSA
SD-09A	METHOXYPHENYL	12	UG/KG	R	808SSN
	ANTHRACENE	130	UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	420	UG/KG	J	
	BENZO(A)PYRENE	430	UG/KG	J	
	BENZO(B)FLUORANTHENE	650	UG/KG	J	
	BENZO(K)FLUORANTHENE	820	UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	840	UG/KG	J	
	CHRYSENE	600	UG/KG	J	
	FLUORANTHENE	1100	UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	270	UG/KG	J	
	NAPHTHALENE	230	UG/KG	J	
	PHENANTHRENE	740	UG/KG	J	
	PYRENE	920	UG/KG	J	
	ARSENIC	2	MG/KG	J	ASGSSA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-09A	BARIUM	6.5 MG/KG		ICPSSN
	CALCIUM	340 MG/KG	J	
	CHROMIUM	5.6 MG/KG		
	COBALT	1.6 MG/KG		
	COPPER	5.8 MG/KG		
	IRON	7200 MG/KG		
	MAGNESIUM	760 MG/KG	J	
	MANGANESE	120 MG/KG	J	
	NICKEL	3.8 MG/KG	ND	
	SILVER	1 MG/KG	J	
	VANADIUM	4.1 MG/KG		
	ZINC	36 MG/KG		
	LEAD	128 MG/KG	J	PBGSSA
	SELENIUM	.61 MG/KG	J	SEGSSA
SD-DUP	PCB-1248	310000 UG/KG	J	808SSN
	PCB-1254	130000 UG/KG	J	
	2,4-D	130 UG/KG	J	815SSN
	CHLOROBENZENE	270000 UG/KG		824KSN
	M&P-XYLENE	15000 UG/KG		
	O-XYLENE	3900 UG/KG		
	TOLUENE	500000 UG/KG		
	1,2-DICHLOROBENZENE	3000 UG/KG		827KSN
	1,4-DICHLOROBENZENE	460 UG/KG	J	
	2-METHYLNAPHTHALENE	2500 UG/KG	J	
	2-METHYLPHENOL	510 UG/KG	J	
	4-CHLOROANILINE	570 UG/KG	J	
	4-METHYLPHENOL	2100 UG/KG	J	
	ANTHRACENE	360 UG/KG	J	
	BENZO(A)ANTHRACENE	1600 UG/KG	J	
	BENZO(A)PYRENE	1600 UG/KG	J	
	BENZO(B)FLUORANTHENE	3000 UG/KG		
	BENZO(G,H,I)PERYLENE	1700 UG/KG	J	
	BENZO(K)FLUORANTHENE	3100 UG/KG		
	BIS(2-ETHYLHEXYL)PHTHALATE	12000 UG/KG	J	
	CHRYSENE	2400 UG/KG	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SD-DUP	DI-N-OCTYLPHthalATE	2100	UG/KG	J	827KSN
	FLUORANTHENE	2900	UG/KG		
	FLUORENE	380	UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	1600	UG/KG	J	
	NAPHTHALENE	30000	UG/KG	U	
	PENTACHLOROPHENOL	3600	UG/KG	J	
	PHENANTHRENE	2900	UG/KG		
	PYRENE	4100	UG/KG		
	TINUVIN 327	4300	UG/KG	J	
	HXCDD	21	NG/G	*	828SSN
	HXCDF	23	NG/G	*	
	PECDF	7.2	NG/G	*	
	TCDF	3	NG/G	*	
	ARSENIC	19.6	MG/KG	J	ASGSSA
	CYANIDE	10.8	MG/KG		CNTSSA
	MERCURY	.66	MG/KG	J	HGC_SN
	BARIUM	74.2	MG/KG	J	ICPSSN
	BERYLLIUM	.72	MG/KG		
	CADMUM	25.1	MG/KG		
	CALCIUM	1970	MG/KG	J	
	CHROMIUM	457	MG/KG	J	
	COBALT	4.5	MG/KG	J	
	COPPER	470	MG/KG	J	
	IRON	19300	MG/KG		
	MAGNESIUM	1270	MG/KG	J	
	MANGANESE	308	MG/KG	J	
	NICKEL	34.5	MG/KG		
	POTASSIUM	779	MG/KG		
	SODIUM	481	MG/KG		
	VANADIUM	19.1	MG/KG		
	ZINC	30300	MG/KG	J	
	LEAD	273	MG/KG		PBGSSA
	ANTIMONY	2.6	MG/KG	J	SBGSSA
SD-03L	TOLUENE	35	UG/KG	J	824KSN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-03L	ANTHRACENE	52 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	260 UG/KG	J	
	BENZO(B)FLUORANTHENE	440 UG/KG	J	
	BENZO(K)FLUORANTHENE	460 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	460 UG/KG	J	
	CHRYSENE	310 UG/KG	J	
	FLUORANTHENE	480 UG/KG	J	
	PHENANTHRENE	190 UG/KG	J	
	PYRENE	460 UG/KG	J	
	ARSENIC	1.8 MG/KG	J	ASGSSA
	BARIUM	19.3 MG/KG	J	ICPSSN
	BERYLLIUM	.5 MG/KG		
	CADMIUM	.72 MG/KG		
	CALCIUM	691 MG/KG	J	
	CHROMIUM	13.9 MG/KG	J	
	COBALT	2.3 MG/KG	J	
	COPPER	15.1 MG/KG	J	
	IRON	6010 MG/KG		
	MAGNESIUM	898 MG/KG	J	
	MANGANESE	93.9 MG/KG	J	
	NICKEL	6.4 MG/KG	ND	
	POTASSIUM	599 MG/KG		
	VANADIUM	3.5 MG/KG		
	ZINC	45.4 MG/KG	J	
	LEAD	14.1 MG/KG		PBGSSA
SD-03R	PCB-1248	390000 UG/KG	J	808SSN
	PCB-1254	260000 UG/KG	J	
	CHLOROBENZENE	430000 UG/KG		824KSN
	TOLUENE	860000 UG/KG		
	1,2-DICHLOROBENZENE	2500 UG/KG	J	827KSN
	2-METHYLNAPHTHALENE	4700 UG/KG	J	
	2-METHYLPHENOL	3300 UG/KG	J	
	4-CHLOROANILINE	7800 UG/KG	J	
	4-METHYLPHENOL	4000 UG/KG	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	110000 UG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-03R	DI-N-OCTYLPHthalate	.5000 UG/KG	J	827KSN
	DIMETHYLPHthalate	290000 UG/KG		
	FLUORANTHENE	4500 UG/KG	J	
	NAPHTHALENE	100000 UG/KG		
	PENTACHLOROPHENOL	12000 UG/KG	J	
	PHENANTHRENE	3700 UG/KG	J	
	PYRENE	4700 UG/KG	J	
	TINUVIN 327	560000 UG/KG		
	HXCDD	23 NG/G		828SSN
	HXCDF	24 NG/G		
	PECDF	1.4 NG/G		
	ARSENIC	17.7 MG/KG	J	ASGSSA
	CYANIDE	12 MG/KG		CNTSSA
	MERCURY	.88 MG/KG	J	HGC_SN
	BARIUM	126 MG/KG	J	ICPSSN
	BERYLLIUM	2 MG/KG		
	CADMIUM	9.7 MG/KG		
	CALCIUM	3010 MG/KG	J	
	CHROMIUM	463 MG/KG	J	
	COBALT	7.4 MG/KG	J	
	COPPER	337 MG/KG	J	
	IRON	21300 MG/KG		
	MAGNESIUM	2720 MG/KG	J	
	MANGANESE	315 MG/KG	J	
	NICKEL	34.7 MG/KG		
	POTASSIUM	1590 MG/KG		
	SODIUM	552 MG/KG		
	VANADIUM	26.7 MG/KG		
	ZINC	12100 MG/KG	J	
	LEAD	300 MG/KG		PBGSSA
	ANTIMONY	5.4 MG/KG	J	SBGSSA

556 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SD-00M	UNKNOWN_1	460	UG/KG	J	824KSN
	UNKNOWN_2	340	UG/KG	J	
	UNKNOWN_3	2700	UG/KG	J	
	UNKNOWN_4	350	UG/KG	J	
	UNKNOWN	350	UG/KG	J	824KSN
	MOLECULAR SULFUR	1300	UG/KG	J	827KSN
SD-01P	C20-PNA	6000	UG/KG	J	827KSN
	SULFUR, MOL.	6700	UG/KG	J	
	TINUVIN P	670	UG/KG	J	
	UNKNOWN	1400	UG/KG	J	
	UNKNOWN HYDROCARBON	4100	UG/KG	J	
	UNKNOWN HYDROCARBON_1	3400	UG/KG	J	
	UNKNOWN HYDROCARBOXYLIC AC	990	UG/KG	J	
	UNKNOWN_1	2300	UG/KG	J	
	UNKNOWN_10	3800	UG/KG	J	
	UNKNOWN_2	1800	UG/KG	J	
	UNKNOWN_3	2600	UG/KG	J	
	UNKNOWN_4	4300	UG/KG	J	
	UNKNOWN_5	1400	UG/KG	J	
	UNKNOWN_6	7400	UG/KG	J	
	UNKNOWN_7	59000	UG/KG	J	
	UNKNOWN_8	7200	UG/KG	J	
	UNKNOWN_9	3600	UG/KG	J	
SD-01R	CHLOROMETHYLBENZENE	330	UG/KG	J	824KSN
	C2-NAPHTHALENE	2100	UG/KG	J	827KSN
	C2-NAPHTHALENE_1	4400	UG/KG	J	
	C2-NAPHTHALENE_2	5600	UG/KG	J	
	C2-NAPHTHALENE_3	2000	UG/KG	J	
	C2-NAPHTHALENE_4	1700	UG/KG	J	
	C2-NAPHTHALENE_5	1400	UG/KG	J	
	C3-NAPHTHALENE	710	UG/KG	J	
	C3-NAPHTHALENE_1	1200	UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
SD-01R	C3-NAPHTHALENE_2	680	UG/KG	J	827KSN
	C3-NAPHTHALENE_3	950	UG/KG	J	
	TERPHENYL	1500	UG/KG	J	
	UNKNOWN	1300	UG/KG	J	
	UNKNOWN HYDROCARBON	8600	UG/KG	J	
	UNKNOWN_10	4800	UG/KG	J	
	UNKNOWN_11	42000	UG/KG	J	
	UNKNOWN_5	5300	UG/KG	J	
	UNKNOWN_6	2400	UG/KG	J	
	UNKNOWN_7	19000	UG/KG	J	
	UNKNOWN_8	2800	UG/KG	J	
	UNKNOWN_9	6600	UG/KG	J	
SD-02L	CYCLOHEXANE	5900	UG/KG	J	824KSN
	CYCLOHEXANE_1	5100	UG/KG	J	
	CYCLOHEXANE_2	1700	UG/KG	J	
	UNKNOWN	2800	UG/KG	J	
	UNKNOWN HYDROCARBON	4700	UG/KG	J	
	UNKNOWN HYDROCARBON_1	3000	UG/KG	J	
	UNKNOWN HYDROCARBON_2	1800	UG/KG	J	
	UNKNOWN HYDROCARBON_3	8800	UG/KG	J	
	UNKNOWN_1	3400	UG/KG	J	
	UNKNOWN_2	1800	UG/KG	J	
	C2-DIPHENYLETHANE	1700	UG/KG	J	827KSN
	C3-BENZENE	1900	UG/KG	J	
	C4-BENZENE	4100	UG/KG	J	
	C4-BENZENE_1	3600	UG/KG	J	
	C5-BENZENE	5900	UG/KG	J	
	C5-BENZENE_1	5800	UG/KG	J	
	C5-BENZENE_2	3800	UG/KG	J	
	C5-BENZENE_3	5500	UG/KG	J	
	UNKNOWN	2900	UG/KG	J	
	UNKNOWN HYDROCARBON	26000	UG/KG	J	
	UNKNOWN HYDROCARBON_11	20000	UG/KG	J	
	UNKNOWN_12	1700	UG/KG	J	
	UNKNOWN_13	1700	UG/KG	J	
	UNKNOWN_14	1200	UG/KG	J	
	UNKNOWN_15	3100	UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SD-02L	UNKNOWN_16	2100	UG/KG	J	827KSN
	UNKNOWN_17	2000	UG/KG	J	
	UNKNOWN_18	8000	UG/KG	J	
	UNKNOWN_19	41000	UG/KG	J	
	UNKNOWN_20	26000	UG/KG	J	
SD-02P	C20-PNA	18000	UG/KG	J	827KSN
	C8-PHENOL	1700	UG/KG	J	
	SULFUR, MOL.	17000	UG/KG	J	
	TINUVIN P	3900	UG/KG	J	
	UNKNOWN	7400	UG/KG	J	
	UNKNOWN CARBOXYLIC	1400	UG/KG	J	
	UNKNOWN_1	1400	UG/KG	J	
	UNKNOWN_10	7200	UG/KG	J	
	UNKNOWN_11	12000	UG/KG	J	
	UNKNOWN_12	55000	UG/KG	J	
	UNKNOWN_13	180000	UG/KG	J	
	UNKNOWN_14	17000	UG/KG	J	
	UNKNOWN_2	2900	UG/KG	J	
	UNKNOWN_3	1500	UG/KG	J	
	UNKNOWN_4	6900	UG/KG	J	
	UNKNOWN_5	6100	UG/KG	J	
	UNKNOWN_6	3900	UG/KG	J	
	UNKNOWN_7	5600	UG/KG	J	
	UNKNOWN_8	10000	UG/KG	J	
	UNKNOWN_9	7300	UG/KG	J	
SD-02R	UNKNOWN HYDROCARBON_1	35000	UG/KG	J	827KSN
	UNKNOWN HYDROCARBON_2	16000	UG/KG	J	
	UNKNOWN_1	2300	UG/KG	J	
	UNKNOWN_10	7100	UG/KG	J	
	UNKNOWN_11	28000	UG/KG	J	
	UNKNOWN_12	10000	UG/KG	J	
	UNKNOWN_13	27000	UG/KG	J	
	UNKNOWN_2	4100	UG/KG	J	
	UNKNOWN_3	8000	UG/KG	J	
	UNKNOWN_4	32000	UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-02R	UNKNOWN_5	4300 UG/KG	J	827KSN
	UNKNOWN_6	7900 UG/KG	J	
	UNKNOWN_7	6700 UG/KG	J	
	UNKNOWN_8	12000 UG/KG	J	
	UNKNOWN_9	16000 UG/KG	J	
	C8-PHENOL	2200 UG/KG	J	827KSN
	METHYL BENZENESULFONAMIDE	4100 UG/KG	J	
	UNKNOWN	3000 UG/KG	J	
	UNKNOWN HYDROCARBON	27000 UG/KG	J	
SD-05L	UNKNOWN	1000 UG/KG	J	824KSN
	SULFUR, MOL.	830 UG/KG	J	827KSN
	UNKNOWN	780 UG/KG	J	
SD-06L	UNKNOWN	250 UG/KG	J	824KSN
	UNKNOWN HYDROCARBON	230 UG/KG	J	
	UNKNOWN HYDROCARBON_4	210 UG/KG	J	
	UNKNOWN HYDROCARBON_5	830 UG/KG	J	
	UNKNOWN_3	120 UG/KG	J	
	1,1'-BIPHENYL, TRICHLORO	660 UG/KG	J	827KSN
	C8-PHENOL	1500 UG/KG	J	
	MOLECULAR SULFUR	24000 UG/KG	J	
	UNKNOWN	950 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	690 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID_1	3500 UG/KG	J	
	UNKNOWN HYDROCARBON	1600 UG/KG	J	
	UNKNOWN HYDROCARBON_13	9400 UG/KG	J	
	UNKNOWN HYDROCARBON_14	31000 UG/KG	J	
	UNKNOWN HYDROCARBON_15	12000 UG/KG	J	
	UNKNOWN_21	3000 UG/KG	J	
	UNKNOWN_22	850 UG/KG	J	
	UNKNOWN_23	1100 UG/KG	J	
	UNKNOWN_24	1400 UG/KG	J	
	UNKNOWN_25	9200 UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-06L	UNKNOWN_26	3500 UG/KG	J	827KSN
	UNKNOWN_27	19000 UG/KG	J	
SD-07R	UNKNOWN HYDROCARBON	2400 UG/KG	J	824KSN
	NONYLPHENOL ISOMER	690 UG/KG	J	827KSN
	NONYLPHENOL ISOMER_1	610 UG/KG	J	
	NONYLPHENOL ISOMER_2	1400 UG/KG	J	
	SULFUR, MOL.	47000 UG/KG	J	
	UNKNOWN	670 UG/KG	J	
	UNKNOWN HYDROCARBON	1800 UG/KG	J	
	UNKNOWN HYDROCARBON_16	7000 UG/KG	J	
	UNKNOWN HYDROCARBON_17	9800 UG/KG	J	
	UNKNOWN_28	7600 UG/KG	J	
	UNKNOWN_29	10000 UG/KG	J	
	UNKNOWN_30	3200 UG/KG	J	
	UNKNOWN_31	3700 UG/KG	J	
	UNKNOWN_32	3600 UG/KG	J	
SD-08R	SULFUR, MOL.	560 UG/KG	J	827KSN
	UNKNOWN	810 UG/KG	J	
	UNKNOWN_33	890 UG/KG	J	
SD-10M	SULFUR, MOL.	14000 UG/KG	J	827KSN
	UNKNOWN	2600 UG/KG	J	
	UNKNOWN HYDROCARBON	1500 UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE	5300 UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE_2	3400 UG/KG	J	
	UNKNOWN_34	2700 UG/KG	J	
	UNKNOWN_35	1400 UG/KG	J	
	UNKNOWN_36	1400 UG/KG	J	
	UNKNOWN_37	1500 UG/KG	J	
	UNKNOWN_38	1400 UG/KG	J	
	UNKNOWN_39	590 UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SD-20M	2,6-DIMETHYLNONANE	910 UG/KG	J	824KSN
	CYCLOHEXANE	250 UG/KG	J	
	UNKNOWN	280 UG/KG	J	
	UNKNOWN HYDROCARBON	390 UG/KG	J	
	UNKNOWN HYDROCARBON_10	120 UG/KG	J	
	UNKNOWN HYDROCARBON_6	210 UG/KG	J	
	UNKNOWN HYDROCARBON_7	150 UG/KG	J	
	UNKNOWN HYDROCARBON_8	330 UG/KG	J	
	UNKNOWN HYDROCARBON_9	350 UG/KG	J	
	UNKNOWN_4	140 UG/KG	J	
	SULFUR, MOL.	920 UG/KG	J	827KSN
SD-DUP	1,1'-BIPHENYL, PENTACHLORO-	75000 UG/KG	J	827KSN
	UNKNOWN CARBOXYLIC ACID_1	18000 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID_2	160000 UG/KG	J	
	UNKNOWN_1	130000 UG/KG	J	
	UNKNOWN_2	13000 UG/KG	J	
	UNKNOWN_3	65000 UG/KG	J	
	UNKNOWN_4	16000 UG/KG	J	
	UNKNOWN_5	150000 UG/KG	J	
	UNKNOWN_6	37000 UG/KG	J	
	UNKNOWN_7	17000 UG/KG	J	
	UNKNOWN_8	290000 UG/KG	J	
	1,1'-BIPHENYL	190000 UG/KG	J	827KSN
	1,1'BIPHENYL, PENTACHLORO-	75000 UG/KG	J	
	BENZENE, 1,1'-OXYBIS-	480000 UG/KG	J	
	C12-PHENOL	87000 UG/KG	J	
	C7-BENZENE	9200 UG/KG	J	
	C8-PHENOL	910000 UG/KG	J	
	METHYL PHENOXY BENZENE	59000 UG/KG	J	
	UNKNOWN	110000 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	23000 UG/KG	J	
	UNKNOWN HYDROCARBON	5300 UG/KG	J	

TICs

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SEDIMENT

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SD-F03L	SULFUR, MOL.	6700 UG/KG	J	827KSN
	UNKNOWN	490 UG/KG	J	
	UNKNOWN HYDROCARBON	520 UG/KG	J	
	UNKNOWN HYDROCARBON_12	1700 UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE	660 UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE_1	770 UG/KG	J	
SD-F03R	C4-BENZENE_1	490000 UG/KG	J	827KSN
	C7-BENZENE_1	90000 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID_1	650000 UG/KG	J	
	UNKNOWN_1	72000 UG/KG	J	
	UNKNOWN_2	320000 UG/KG	J	
	UNKNOWN_3	180000 UG/KG	J	
	UNKNOWN_4	300000 UG/KG	J	
	UNKNOWN_5	570000 UG/KG	J	
	UNKNOWN_6	1200000 UG/KG	J	
	1,1'-BIPHENYL	140000 UG/KG	J	827KSN
	BENZENE,1,1'-OXYBIS-	350000 UG/KG	J	
	C12-PHENOL	320000 UG/KG	J	
	C4-BENZENE	290000 UG/KG	J	
	C7-BENZENE	160000 UG/KG	J	
	C8-PHENOL	69000 UG/KG	J	
	METHYLPHENOXYBENZENE	86000 UG/KG	J	
	TINUVIN P	200000 UG/KG	J	
	UNKNOWN	300000 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID	110000 UG/KG	J	
	UNKNOWN PHTHALIC ACID ESTE	310000 UG/KG	J	

TICs

224 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SW-00M	METHYL PARATHION	.02 UG/L	J	814SWN
	CHLOROBENZENE	1 UG/L	J	824KWN
	BIS(2-ETHYLHEXYL)PHTHALATE	7 UG/L	J	827KWN
SW-00M dissolved	BARIUM	.014 MG/L		ICPSWN
	CALCIUM	11.7 MG/L		
	IRON	.27 MG/L		
	MAGNESIUM	1.62 MG/L		
	MANGANESE	.13 MG/L		
	POTASSIUM	3.11 MG/L	J	
	SODIUM	33.2 MG/L		
SW-00M total	CYANIDE	.019 MG/L		CNTSWA
	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	11.6 MG/L		
	IRON	.59 MG/L		
	MAGNESIUM	1.63 MG/L		
	MANGANESE	.14 MG/L		
	NICKEL	.026 MG/L		
	SODIUM	32.6 MG/L		
	ZINC	.025 MG/L		
	LEAD	.023 MG/L		PBGSWA
SW-01P	4,4'-DDE	.012 UG/L		808SWN
	ALDRIN	.016 UG/L		
	METHYLENE CHLORIDE	7.5 UG/L	U	824KWN
SW-01P dissolved	BARIUM	.073 MG/L		ICPSWN
	CALCIUM	14.9 MG/L		
	IRON	.22 MG/L		
	MAGNESIUM	1.92 MG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SW-01P dissolved	MANGANESE	.022	MG/L		ICPSWN
	POTASSIUM	4.43	MG/L	J	
	SODIUM	27.7	MG/L		
	ZINC	.046	MG/L		
	LEAD	.0064	MG/L		PBGSWA
SW-01P total	BARIUM	.037	MG/L		ICPSWN
	CALCIUM	15.7	MG/L		
	IRON	1.8	MG/L		
	MAGNESIUM	2	MG/L		
	MANGANESE	.047	MG/L		
	POTASSIUM	4.2	MG/L	J	
	SODIUM	28.3	MG/L		
	ZINC	.065	MG/L		
	LEAD	.029	MG/L		PBGSWA
SW-01R	CHLOROBENZENE	1	UG/L	J	824KWN
	M&P-XYLENE	1.3	UG/L	J	
	METHYLENE CHLORIDE	5.8	UG/L	U	
	O-XYLENE	.5	UG/L	J	
	TOLUENE	1.3	UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	7	UG/L	J	827KWN
SW-01R dissolved	BARIUM	.014	MG/L		ICPSWN
	CALCIUM	11.7	MG/L		
	IRON	.16	MG/L		
	MAGNESIUM	1.62	MG/L		
	MANGANESE	.13	MG/L		
	SODIUM	32.7	MG/L		
	LEAD	.0051	MG/L		PBGSWA
SW-01R total	CYANIDE	.011	MG/L		CNTSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SW-01R total	BARIUM	.015 MG/L		ICPSWN
	CALCIUM	11.3 MG/L		
	IRON	.54 MG/L		
	MAGNESIUM	1.57 MG/L		
	MANGANESE	.14 MG/L		
	SODIUM	31.4 MG/L		
	LEAD	.0049 MG/L		PBGSWA
SW-03R	4,4'-DDE	.0082 UG/L	J	808SWN
	CHLOROBENZENE	1.2 UG/L	J	824KWN
	M&P-XYLENE	1.6 UG/L	J	
	METHYLENE CHLORIDE	8.3 UG/L	U	
	O-XYLENE	.5 UG/L	J	
	TOLUENE	1.3 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1 UG/L	J	827KWN
SW-03R dissolved	BARIUM	.013 MG/L		ICPSWN
	CALCIUM	11.7 MG/L		
	IRON	.17 MG/L		
	MAGNESIUM	1.64 MG/L		
	MANGANESE	.13 MG/L		
	POTASSIUM	3 MG/L	J	
	SODIUM	32.7 MG/L		
SW-03R total	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	11.6 MG/L		
	IRON	.55 MG/L		
	MAGNESIUM	1.62 MG/L		
	MANGANESE	.14 MG/L		
	POTASSIUM	3.2 MG/L	J	
	SILVER	.037 MG/L		
	SODIUM	32.2 MG/L		
	LEAD	.0039 MG/L		PBGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SW-06M	DIELDRIN	.0077 UG/L	J	808SWN
	DISULFOTON	.022 UG/L	J	814SWN
	CHLOROBENZENE	1.2 UG/L	J	824KWN
	M&P-XYLENE	1.2 UG/L	J	
	O-XYLENE	.5 UG/L	J	
	TOLUENE	1.1 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1 UG/L	J	827KWN
SW-06M DUP	DIMETHIOATE	.16 UG/L	J	814SWN
	FAMPHUR	.078 UG/L	J	
	CHLOROBENZENE	1.2 UG/L	J	824KWN
	M&P-XYLENE	.9 UG/L	J	
	O-XYLENE	.3 UG/L	J	
	TOLUENE	.8 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	2 UG/L	J	827KWN
SW-06M DUP disso BARIUM 1ved		.031 MG/L		ICPSWN
	CALCIUM	12 MG/L		
	IRON	.51 MG/L		
	MAGNESIUM	1.66 MG/L		
	MANGANESE	.13 MG/L		
	POTASSIUM	3.11 MG/L	J	
	SODIUM	33.1 MG/L		
	ZINC	.025 MG/L		
	LEAD	.013 MG/L		PBGSWA
SW-06M DUP total CYANIDE		.011 MG/L		CNTSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SW-06M DUP total	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	11.9 MG/L		
	IRON	.57 MG/L		
	MAGNESIUM	1.67 MG/L		
	MANGANESE	.14 MG/L		
	NICKEL	.023 MG/L		
	POTASSIUM	3.17 MG/L	J	
	SODIUM	33 MG/L		
	LEAD	.0072 MG/L		PBGSWA
SW-06M dissolved	BARIUM	.054 MG/L		ICPSWN
	CALCIUM	12 MG/L		
	IRON	.18 MG/L		
	MAGNESIUM	1.67 MG/L		
	MANGANESE	.13 MG/L		
	POTASSIUM	3.16 MG/L		
	SODIUM	33.7 MG/L		
	ZINC	.031 MG/L		
	LEAD	.013 MG/L		PBGSWA
SW-06M total	CYANIDE	.014 MG/L		CNTSWA
	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	11.8 MG/L		
	IRON	.55 MG/L		
	MAGNESIUM	1.66 MG/L		
	MANGANESE	.14 MG/L		
	NICKEL	.027 MG/L		
	POTASSIUM	3.18 MG/L		
	SODIUM	32.6 MG/L		
	LEAD	.0036 MG/L	ND	PBGSWA
SW-07M	BETA-BHC	.048 UG/L		808SWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SW-07M	FAMPHUR	.073 UG/L	J	814SWN
	CHLOROBENZENE	1.1 UG/L	J	824KWN
	BIS(2-ETHYLHEXYL)PHTHALATE	3 UG/L	J	827KWN
SW-07M dissolved	BARIUM	.014 MG/L		ICPSWN
	CALCIUM	12 MG/L		
	IRON	1.11 MG/L		
	MAGNESIUM	1.66 MG/L		
	MANGANESE	.14 MG/L		
	NICKEL	.021 MG/L		
	POTASSIUM	3.43 MG/L	J	
	SODIUM	32.6 MG/L		
	LEAD	.0032 MG/L		PBGSWA
SW-07M total	CYANIDE	.011 MG/L		CNTSWA
	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	12 MG/L		
	IRON	1.35 MG/L		
	MAGNESIUM	1.64 MG/L		
	MANGANESE	.14 MG/L		
	NICKEL	.026 MG/L		
	POTASSIUM	3.43 MG/L	J	
	SODIUM	32.5 MG/L		
	LEAD	.012 MG/L		PBGSWA
SW-08M	4,4'-DDT	.025 UG/L		808SWN
	BETA-BHC	.038 UG/L		
	ETHYL PARATHION	.029 UG/L	J	814SWN
	CHLOROBENZENE	1 UG/L	J	824KWN
	BIS(2-ETHYLHEXYL)PHTHALATE	5 UG/L	J	827KWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SW-08M dissolved	BARIUM	.059 MG/L		ICPSWN
	CALCIUM	12.2 MG/L		
	IRON	.19 MG/L		
	MAGNESIUM	1.69 MG/L		
	MANGANESE	.13 MG/L		
	NICKEL	.032 MG/L		
	POTASSIUM	3.26 MG/L	J	
	SODIUM	33.6 MG/L		
	ZINC	.04 MG/L		
	LEAD	.0036 MG/L		PBGSWA
SW-08M total	CYANIDE	.011 MG/L		CNTSWA
	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	12.1 MG/L		
	IRON	.58 MG/L		
	MAGNESIUM	1.67 MG/L		
	MANGANESE	.14 MG/L		
	NICKEL	.021 MG/L		
	POTASSIUM	3.43 MG/L	J	
	SODIUM	33 MG/L		
	LEAD	.0036 MG/L		PBGSWA
SW-09M	4,4'-DDT	.027 UG/L		808SWN
	BETA-BHC	.052 UG/L		
	METHYL PARATHION	.18 UG/L		814SWN
	CHLOROBENZENE	1.1 UG/L	J	824KWN
	BIS(2-ETHYLHEXYL)PHTHALATE	4 UG/L	J	827KWN
SW-09M dissolved	BARIUM	.074 MG/L		ICPSWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SW-09M dissolved	CALCIUM	12.4 MG/L		ICPSWN
	IRON	.29 MG/L		
	MAGNESIUM	1.66 MG/L		
	MANGANESE	.13 MG/L		
	NICKEL	.027 MG/L		
	POTASSIUM	3.29 MG/L	J	
	SODIUM	33.4 MG/L		
	ZINC	.049 MG/L		
	LEAD	.0067 MG/L		PBGSWA
SW-09M total	CYANIDE	.012 MG/L		CNTSWA
	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	12.4 MG/L		
	IRON	.62 MG/L		
	MAGNESIUM	1.69 MG/L		
	MANGANESE	.14 MG/L		
	POTASSIUM	3.48 MG/L	J	
	SODIUM	33.1 MG/L		
	LEAD	.008 MG/L		PBGSWA
SW-10M	CHLOROBENZENE	1.1 UG/L	J	824KWN
	BIS(2-ETHYLHEXYL)PHTHALATE	1 UG/L	J	827KWN
SW-10M dissolved	BARIUM	.068 MG/L		ICPSWN
	CALCIUM	12.5 MG/L		
	IRON	.37 MG/L		
	MAGNESIUM	1.7 MG/L		
	MANGANESE	.13 MG/L		
	NICKEL	.031 MG/L		
	POTASSIUM	3.56 MG/L	J	
	SODIUM	33.6 MG/L		
	ZINC	.058 MG/L		
	LEAD	.0044 MG/L		PBGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SW-10M total	CYANIDE	.016 MG/L		CNTSWA
	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	12.6 MG/L		
	IRON	2.4 MG/L		
	MAGNESIUM	1.7 MG/L		
	MANGANESE	.15 MG/L		
	NICKEL	.027 MG/L		
	POTASSIUM	3.17 MG/L	J	
	SODIUM	33 MG/L		
	ZINC	.031 MG/L		
	LEAD	.01 MG/L		PBGSWA
SW-20M	4,4'-DDE	.0065 UG/L	J	808SWN
	DISULFOTON	.02 UG/L	J	814SWN
	METHYL PARATHION	.025 UG/L	J	
	CHLOROBENZENE	1.1 UG/L	J	824KWN
	M&P-XYLENE	1.6 UG/L	J	
	O-XYLENE	.7 UG/L	J	
	TOLUENE	1.5 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1 UG/L	J	827KWN
SW-20M dissolved	BARIUM	.05 MG/L		ICPSWN
	CALCIUM	12.1 MG/L		
	CHROMIUM	.022 MG/L		
	IRON	.35 MG/L		
	MAGNESIUM	1.66 MG/L		
	MANGANESE	.13 MG/L		
	NICKEL	.031 MG/L		
	POTASSIUM	3.26 MG/L	J	
	SODIUM	32.5 MG/L		
	ZINC	.046 MG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SW-20M dissolved	LEAD	.0045 MG/L		PBGSWA
SW-20M total	CYANIDE	.02 MG/L		CNTSWA
	BARIUM	.016 MG/L		ICPSWN
	CALCIUM	12.6 MG/L		
	IRON	.63 MG/L		
	MAGNESIUM	1.72 MG/L		
	MANGANESE	.14 MG/L		
	NICKEL	.026 MG/L		
	POTASSIUM	3.38 MG/L	J	
	SODIUM	33.4 MG/L		
	LEAD	.0061 MG/L		PBGSWA
SW-09A	BIS(2-ETHYLHEXYL)PHTHALATE	27 UG/L	U	827KWN
SW-09A dissolved	BARIUM	.011 MG/L		ICPSWN
	CALCIUM	6.88 MG/L		
	IRON	.087 MG/L		
	MAGNESIUM	1.26 MG/L		
	MANGANESE	.067 MG/L		
	SODIUM	17.9 MG/L		
SW-09A total	BARIUM	.014 MG/L		ICPSWN
	CALCIUM	7.21 MG/L		
	IRON	.44 MG/L		
	MAGNESIUM	1.31 MG/L		
	MANGANESE	.088 MG/L		
	SODIUM	18.6 MG/L		
	LEAD	.0043 MG/L	ND	PBGSWA

275 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SW-00M	METHYL BENZENESULFONAMIDE	4 UG/L	J	827KWN
	UNKNOWN	5 UG/L	J	
	UNKNOWN CARBOXYLIC ACID ES	230 UG/L	J	
	UNKNOWN PHTHALIC ACID ESTE	4 UG/L	J	
SW-01P	UNKNOWN	4 UG/L	J	827KWN
	UNKNOWN CARBOXYLIC ACID	4 UG/L	J	
SW-01R	UNKNOWN	8 UG/L	J	827KWN
	UNKNOWN PHTHALIC ACID ESTE	4 UG/L	J	
SW-03R	NONANE	5 UG/L	J	824KWN
	UNKNOWN	9 UG/L	J	827KWN
SW-06M	METHYL BENZENESULFONAMIDE	4 UG/L	J	827KWN
	UNKNOWN	4 UG/L	J	
	UNKNOWN CARBOXYLIC ACID	4 UG/L	J	
SW-06M DUP	METHYL BENZENESULFONAMIDE	4 UG/L	J	827KWN
	UNKNOWN	5 UG/L	J	
	UNKNOWN CARBOXYLIC ACID	4 UG/L	J	
SW-07M	METHYL BENZENESULFONAMIDE	5 UG/L	J	827KWN
	UNKNOWN	4 UG/L	J	
	UNKNOWN CARBOXYLIC ACID	4 UG/L	J	

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: SURFACE WATER

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SW-08M	UNKNOWN	4 UG/L	J	827KWN
SW-09M	METHYL BENZENESULFONAMIDE	5 UG/L	J	827KWN
	UNKNOWN	5 UG/L	J	
	UNKNOWN CARBOXYLIC ACID	6 UG/L	J	
SW-10M	UNKNOWN	4 UG/L	J	827KWN
SW-20M	METHYL BENZENESULFONAMIDE	4 UG/L	J	827KWN
	UNKNOWN	4 UG/L	J	
SW-D9A	UNKNOWN CARBOXYLIC ACID ES	450 UG/L	J	827KWN

TIC's

27 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-10D	ENDOSULFAN II	.0029 UG/L	J	808SWN
	SILICA,DISSOLVED	14 MG/L		SICMWN
	TKN	.28 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.14 MG/L		TOXSWN
MW-10D DISSOLVED		35 UG/L		ICPSWN
	BARIUM	38100 UG/L		
	CALCIUM	189 UG/L	ND	
	IRON	6990 UG/L		
	MAGNESIUM	4380 UG/L		
	MANGANESE	3770 UG/L		
	POTASSIUM	24500 UG/L		
	SODIUM			
MW-10D TOTAL		4.3 UG/L		ASGSWA
	ARSENIC	65 UG/L		ICPSWN
	BARIUM	38400 UG/L		
	CALCIUM	30 UG/L		
	CHROMIUM	21 UG/L		
	COPPER	13700 UG/L		
	IRON	8660 UG/L		
	MAGNESIUM	4340 UG/L		
	MANGANESE	41 UG/L		
	NICKEL	4830 UG/L		
	POTASSIUM	26100 UG/L		
	SODIUM	39 UG/L	ND	
	ZINC			
	LEAD	10.5 UG/L	ND	PBGSWA
MW-10S				
	4,4'-DDE	.0084 UG/L	J	808SWN
	4,4'-DDT	.023 UG/L		
	ALPHA-BHC	.015 UG/L		
	DELTA-BHC	.032 UG/L		
	ENDOSULFAN II	.0069 UG/L	J	
	ENDRIN ALDEHYDE	.011 UG/L	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-10S	GAMMA-CHLORDANE	.11 UG/L		808SWN
	SILICA,DISSOLVED	16 MG/L		SICMWN
	TOTAL ORGANIC HALIDES	.13 MG/L		TOXSWN
MW-10S DISSOLVED	BARIUM	16 UG/L		ICPSWN
	CALCIUM	65700 UG/L		
	IRON	358 UG/L		
	MAGNESIUM	3130 UG/L		
	MANGANESE	626 UG/L		
	NICKEL	25 UG/L		
	POTASSIUM	3330 UG/L		
	SODIUM	21200 UG/L		
MW-10S TOTAL	ARSENIC	6.7 UG/L		ASGSWA
	BARIUM	82 UG/L		ICPSWN
	CALCIUM	61800 UG/L		
	CHROMIUM	58 UG/L		
	COBALT	15 UG/L		
	COPPER	46 UG/L		
	IRON	31300 UG/L		
	MAGNESIUM	6280 UG/L		
	MANGANESE	878 UG/L		
	NICKEL	77 UG/L		
	POTASSIUM	4240 UG/L		
	SODIUM	22000 UG/L		
	ZINC	76 UG/L	ND	
	LEAD	38.7 UG/L		PBGSWA
MW-11S	ALDRIN	.089 UG/L		808SWN
	ALPHA-BHC	.037 UG/L	J	
	2,4,5-T	.11 UG/L	J	815SWN
	1,1-DICHLOROETHANE	2.1 UG/L	J	824KWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-11S	BENZENE	35 UG/L		824KWN
	CHLOROBENZENE	3500 UG/L		
	ETHYLBENZENE	2.7 UG/L	J	
	M&P-XYLENE	1.8 UG/L	J	
	O-XYLENE	.8 UG/L	J	
	TETRACHLOROETHENE	8.4 UG/L		
	TOLUENE	31 UG/L		
	TRICHLOROETHENE	2 UG/L	J	
	2,2'-OXYBIS(1-CHLOROPROPAN	28 UG/L		827KWN
	2-CHLOROPHENOL	11 UG/L	J	
	4-CHLOROANILINE	21 UG/L		
	ANILINE	7 UG/L	J	
	DI-N-OCTYLPHthalATE	1 UG/L	J	
	NAPHTHALENE	4 UG/L	J	
	O-TOLUIDINE	6 UG/L	J	
	PROPAZINE	7 UG/L	J	
	TINUVIN 327	4 UG/L	J	
	SILICA, DISSOLVED	11 MG/L		SICMWN
	TKN	3.2 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.11 MG/L		TOXSWN
MW-11S DUP	TOTAL ORGANIC HALIDES	.16 MG/L		TOXSWN
MW-11S Dissolved	BARIUM	20 UG/L		ICPSWN
	CALCIUM	30300 UG/L	J	
	IRON	5380 UG/L	J	
	MAGNESIUM	2960 UG/L		
	MANGANESE	456 UG/L		
	POTASSIUM	3250 UG/L		
	SODIUM	9900 UG/L		
	ZINC	1520 UG/L	J	
MW-11S Total	ARSENIC	10.6 UG/L		ASGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-11S Total	BARIUM	31 UG/L		ICPSWN
	CALCIUM	30700 UG/L	J	
	IRON	14600 UG/L	J	
	MAGNESIUM	3310 UG/L		
	MANGANESE	475 UG/L		
	POTASSIUM	3380 UG/L		
	SODIUM	11700 UG/L		
	ZINC	1960 UG/L	J	
	LEAD	13.5 UG/L	ND	PBGSWA
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MW-12D	ALDRIN	.0047 UG/L	J	808SWN
	CHLOROBENZENE	1.1 UG/L	J	824KWN
	ETHYLBENZENE	35 UG/L		
	M&P-XYLENE	130 UG/L		
	O-XYLENE	44 UG/L		
	TOLUENE	6.1 UG/L		
	4-METHYLPHENOL	20 UG/L		827KWN
	PHENOL	18 UG/L		
	SILICA,DISSOLVED	12 MG/L		SICMWN
	TKN	.16 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.23 MG/L		TOXSWN
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MW-12D DISSOLVED	BARIUM	23 UG/L		ICPSWN
	CALCIUM	24900 UG/L		
	IRON	979 UG/L		
	MAGNESIUM	4540 UG/L		
	MANGANESE	573 UG/L		
	POTASSIUM	9460 UG/L		
	SODIUM	37500 UG/L		
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MW-12D TOTAL	BARIUM	41 UG/L		ICPSWN
	CALCIUM	23500 UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
MW-12D TOTAL	CHROMIUM	15 UG/L		ICPSWN
	IRON	12200 UG/L		
	MAGNESIUM	5680 UG/L		
	MANGANESE	640 UG/L		
	NICKEL	32 UG/L		
	POTASSIUM	8590 UG/L		
	SODIUM	34000 UG/L		
	ZINC	29 UG/L		
	LEAD	9.3 UG/L	ND	PBGSWA
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MW-12S	4,4'-DDD	.025 UG/L		808SWN
	ISODRIN	.01 UG/L		
	ETHYLBENZENE	590 UG/L		824KWN
	M&P-XYLENE	2400 UG/L		
	O-XYLENE	530 UG/L		
	TOLUENE	1500 UG/L		
	2,4-DIMETHYLPHENOL	19 UG/L		827KWN
	2-METHYLPHENOL	17 UG/L		
	4-METHYLPHENOL	1100 UG/L		
	ACETOPHENONE	1 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	2 UG/L	J	
	NAPHTHALENE	2 UG/L	J	
	PHENOL	17 UG/L		
	SILICA,DISSOLVED	25 MG/L		SICMWN
	TKN	.33 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.17 MG/L		TOXSWN
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MW-12S DISSOLVED	BARIUM	17 UG/L		ICPSWN
	CALCIUM	59200 UG/L		
	IRON	18600 UG/L		
	MAGNESIUM	5590 UG/L		
	MANGANESE	3990 UG/L		
	POTASSIUM	5930 UG/L		
	SODIUM	32000 UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-12S TOTAL	CYANIDE	11.7 UG/L		CNTSWA
	BARIUM	24 UG/L		ICPSWN
	CALCIUM	58500 UG/L		
	IRON	23200 UG/L		
	MAGNESIUM	5810 UG/L		
	MANGANESE	3920 UG/L		
	POTASSIUM	5700 UG/L		
	SODIUM	32800 UG/L		
	LEAD	11.8 UG/L		PBGSWA
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MW-13S	4,4'-DDD	.41 UG/L		808SWN
	GAMMA-BHC	.49 UG/L		
	GAMMA-CHLORDANE	2.4 UG/L		
	DINOSEB	.52 UG/L		815SWN
	1,1-DICHLOROETHANE	3.8 UG/L	J	824KWN
	CHLOROBENZENE	29 UG/L		
	ETHYLBENZENE	720 UG/L		
	M&P-XYLENE	870 UG/L		
	O-XYLENE	150 UG/L		
	TOLUENE	1.8 UG/L	J	
	2,4-DIMETHYLPHENOL	27 UG/L		827KWN
	2-METHYLPHENOL	4 UG/L	J	
	4-METHYLPHENOL	23 UG/L		
	4-NITROPHENOL	8 UG/L	J	
	ACETOPHENONE	5 UG/L	J	
	ANILINE	19 UG/L		
	BENZO(A)PYRENE	2 UG/L	J	
	BENZO(B)FLUORANTHENE	1 UG/L	J	
	BENZO(G,H,I)PERYLENE	3 UG/L	J	
	BENZO(K)FLUORANTHENE	2 UG/L	J	
	INDENO(1,2,3-CD)PYRENE	3 UG/L	J	
	IRGASAN DP-300	10 UG/L	J	
	NAPHTHALENE	1 UG/L	J	
	PYRENE	2 UG/L	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2 METHOD
MW-13S	SILICA,DISSOLVED	20 MG/L	SICMWN
	TKN	1.8 MG/L	TKNEWN
	TOTAL ORGANIC HALIDES	.21 MG/L	TOXSWN
MW-13S DISSOLVED ARSENIC		9.4 UG/L	ASGSWA
	BARIUM	76 UG/L	ICPSWN
	CALCIUM	96800 UG/L	
	IRON	9950 UG/L	
	MAGNESIUM	6660 UG/L	
	MANGANESE	4740 UG/L	
	POTASSIUM	26500 UG/L	
	SODIUM	146000 UG/L	
MW-13S TOTAL ARSENIC		45.6 UG/L	ASGSWA
	MERCURY	2.3 UG/L	HGC_WN
	BARIUM	362 UG/L	ICPSWN
	BERYLLIUM	3.3 UG/L	
	CALCIUM	107000 UG/L	
	CHROMIUM	125 UG/L	
	COBALT	47 UG/L	
	COPPER	134 UG/L	
	IRON	94400 UG/L	
	MAGNESIUM	14200 UG/L	
	MANGANESE	6270 UG/L	
	NICKEL	115 UG/L	
	POTASSIUM	30700 UG/L	
	SODIUM	140000 UG/L	
	VANADIUM	77 UG/L	
	ZINC	717 UG/L	
	LEAD	154 UG/L	PBGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-14S	DELTA-BHC	1.3 UG/L	J	808SWN
	1,1,1-TRICHLOROETHANE	89 UG/L	J	824KWN
	1,1-DICHLOROETHANE	2.7 UG/L	J	
	2-BUTANONE	21 UG/L	J	
	BENZENE	12 UG/L	J	
	CHLOROBENZENE	96 UG/L	J	
	CHLOROFORM	8.4 UG/L	J	
	ETHYLBENZENE	630 UG/L		
	M&P-XYLENE	1600 UG/L		
	O-XYLENE	550 UG/L		
	TETRACHLOROETHENE	31 UG/L	J	
	TOLUENE	58000 UG/L		
	TRICHLOROETHENE	2.6 UG/L	J	
	1,2,4-TRICHLOROBENZENE	3 UG/L	J	827KWN
	1,2-DICHLOROBENZENE	130 UG/L		
	2,4-DICHLOROPHENOL	390 UG/L		
	2,4-DIMETHYLPHENOL	19 UG/L		
	2-CHLOROPHENOL	3 UG/L	J	
	2-METHYLPHENOL	160 UG/L		
	4-METHYLPHENOL	96 UG/L		
	ACETOPHENONE	15 UG/L		
	ANILINE	19 UG/L		
	BENZYL ALCOHOL	52 UG/L		
	IRGASAN DP-300	2300 UG/L		
	NAPHTHALENE	9 UG/L	J	
	PHENOL	120 UG/L		
	TRCDF	16 UG/L	J	
	TCDF	15 NG/L		828SWN
	SILICA, DISSOLVED	14 MG/L		SICMWN
	TKN	2.7 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.24 MG/L		TOXSWN
MW-14S DISSOLVED ARSENIC		14.9 UG/L		ASGSWA
BARIUM		37 UG/L		ICPSWN
CALCIUM		52700 UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
MW-14S DISSOLVED	IRON	4930	UG/L		ICPSWN
	MAGNESIUM	4320	UG/L		
	MANGANESE	3050	UG/L		
	POTASSIUM	5590	UG/L		
	SODIUM	54500	UG/L		
MW-14S DUP	TCDF	11	NG/L		828SWN
	TOTAL ORGANIC HALIDES	.21	MG/L		TOXSWN
MW-14S TOTAL	ARSENIC	16.9	UG/L		ASGSWA
	BARIUM	60	UG/L		ICPSWN
	CALCIUM	50400	UG/L		
	CHROMIUM	14	UG/L		
	IRON	11200	UG/L		
	MAGNESIUM	5080	UG/L		
	MANGANESE	2880	UG/L		
	POTASSIUM	5410	UG/L		
	SODIUM	51500	UG/L		
	ZINC	25	UG/L		
	LEAD	7.5	UG/L		PBGSWA
MW-15D	ALPHA-BHC	.015	UG/L		808SWN
	DIELDRIN	.016	UG/L		
	ISODRIN	.014	UG/L		
	1,1,1-TRICHLOROETHANE	4.2	UG/L	J	824KWN
	2-METHYLNAPHTHALENE	4	UG/L	J	827KWN
	IRGASAN DP-300	26	UG/L	J	
	NAPHTHALENE	12	UG/L		
	SILICA,DISSOLVED	19	MG/L		SICMWN
	TKN	.28	MG/L		TKNEWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
MW-15D	TOTAL ORGANIC HALIDES	.17	MG/L		TOXSWN
MW-15D DISSOLVED	BARIUM	19	UG/L		ICPSWN
	CALCIUM	40400	UG/L		
	IRON	75	UG/L	ND	
	MAGNESIUM	3080	UG/L		
	MANGANESE	24	UG/L		
	SODIUM	11400	UG/L		
MW-15D TOTAL	LEAD	5	UG/L	ND	PBGSWA
MW-15D TOTAL	ARSENIC	7.2	UG/L		ASGSWA
	BARIUM	38	UG/L		ICPSWN
	CALCIUM	47400	UG/L		
	IRON	4950	UG/L		
	MAGNESIUM	3680	UG/L		
	MANGANESE	328	UG/L		
	SODIUM	11500	UG/L		
MW-15S	LEAD	5.4	UG/L	ND	PBGSWA
MW-15S	DELTA-BHC	.4	UG/L		808SWN
	DIELDRIN	.47	UG/L		
	ISODRIN	.14	UG/L		
	1,1-DICHLOROETHANE	1.4	UG/L	J	824KWN
	CHLOROBENZENE	14	UG/L		
	ETHYLBENZENE	4.9	UG/L	J	
	M&P-XYLENE	23	UG/L		
	O-XYLENE	11	UG/L		
	TOLUENE	30	UG/L		
	1,2-DICHLOROBENZENE	2	UG/L	J	827KWN
	2-METHYLNAPHTHALENE	6	UG/L	J	
	4-CHLOROANILINE	4	UG/L	J	
	4-METHYLPHENOL	67	UG/L		
	ANILINE	76	UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-15S	BUTAZOLIDIN	20 UG/L	J	827KWN
	IRGASAN DP-300	670 UG/L		
	N-NITROSODIMETHYLAMINE	6 UG/L	J	
	NAPHTHALENE	14 UG/L		
	PHENOL	61 UG/L		
	PROPAZINE	170 UG/L		
	SILICA,DISSOLVED	17 MG/L		SICMWN
	TKN	14 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.21 MG/L		TOXSWN
MW-15S D Dissolve Arsenic		14.7 UG/L		ASGSWA
D				
	BARIUM	64 UG/L		ICPSWN
	CALCIUM	53400 UG/L		
	IRON	2730 UG/L		
	MAGNESIUM	3640 UG/L		
	MANGANESE	1370 UG/L		
	POTASSIUM	13600 UG/L		
	SODIUM	30600 UG/L		
MW-15S TOTAL	ARSENIC	28.7 UG/L		ASGSWA
	BARIUM	111 UG/L		ICPSWN
	CALCIUM	53800 UG/L		
	CHROMIUM	31 UG/L		
	IRON	27400 UG/L		
	MAGNESIUM	7210 UG/L		
	MANGANESE	1660 UG/L		
	NICKEL	43 UG/L		
	POTASSIUM	13800 UG/L		
	SODIUM	30300 UG/L		
	ZINC	99 UG/L	ND	
	LEAD	12.3 UG/L	ND	PBGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
MW-16D	ALPHA-BHC	.0099 UG/L	J	808SWN
	TOLUENE	2 UG/L	J	824KWN
	BIS(2-ETHYLHEXYL)PHTHALATE	3 UG/L	J	827KWN
	SILICA,DISSOLVED	1.3 MG/L		SICMWN
	TKN	.27 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.13 MG/L		TOXSWN
MW-16D DISSOLVED		245 UG/L		ICPSWN
	BARIUM	309000 UG/L		
	CALCIUM	24 UG/L		
	CHROMIUM	10300 UG/L		
	POTASSIUM	29000 UG/L		
MW-16D TOTAL		251 UG/L		ICPSWN
	BARIUM	317000 UG/L		
	CALCIUM	32 UG/L		
	CHROMIUM	739 UG/L		
	IRON	15 UG/L		
	MANGANESE	10600 UG/L		
	POTASSIUM	29100 UG/L		
	LEAD	4.8 UG/L		PBGSWA
MW-16S		.017 UG/L	J	808SWN
	ALDRIN	.01 UG/L	J	
	HEPTACHLOR	.017 UG/L	J	
	HEPTACHLOR EPOXIDE	.02 UG/L	J	
	CHLOROFORM	2 UG/L	J	824KWN
	TOLUENE	8 UG/L		
	TRICHLOROETHENE	1 UG/L	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-16S	BIS(2-ETHYLHEXYL)PHTHALATE	4 UG/L	J	827KWN
	SILICA,DISSOLVED	13 MG/L		SICMWN
	TKN	.15 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.15 MG/L		TOXSWN
MW-16S DISSOLVED	BARIUM	27 UG/L		ICPSWN
	CALCIUM	47600 UG/L		
	IRON	368 UG/L		
	MAGNESIUM	2220 UG/L		
	MANGANESE	468 UG/L		
	POTASSIUM	4960 UG/L		
	SODIUM	23500 UG/L		
MW-16S TOTAL	ARSENIC	8.6 UG/L		ASGSWA
	CYANIDE	15.6 UG/L		CNTSWA
	BARIUM	67 UG/L		ICPSWN
	CALCIUM	48700 UG/L		
	CHROMIUM	22 UG/L		
	IRON	12600 UG/L		
	MAGNESIUM	3900 UG/L		
	MANGANESE	647 UG/L		
	NICKEL	25 UG/L		
	POTASSIUM	6780 UG/L		
	SODIUM	24100 UG/L		
	ZINC	44 UG/L		
	LEAD	5.6 UG/L		PBGSWA
MW-17D	4,4'-DDT	.023 UG/L		808SWN
	ALDRIN	.025 UG/L		
	ALPHA-BHC	.015 UG/L		
	GAMMA-BHC	.018 UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-17D	METHYLENE CHLORIDE	12 UG/L	U	824KWN
	TOLUENE	2 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L	U	827KWN
	SILICA,DISSOLVED	16 MG/L		SICMWN
	TOTAL ORGANIC HALIDES	.16 MG/L		TOXSWN
MW-17D Dissolved	BARIUM	34 UG/L		ICPSWN
	CALCIUM	33500 UG/L	J	
	MAGNESIUM	3550 UG/L		
	MANGANESE	149 UG/L		
	POTASSIUM	17100 UG/L		
	SODIUM	16900 UG/L		
	LEAD	3.8 UG/L	ND	PBGSWA
MW-17D Total	ARSENIC	11.2 UG/L		ASGSWA
	BARIUM	44 UG/L		ICPSWN
	CALCIUM	35100 UG/L	J	
	IRON	4530 UG/L	J	
	MAGNESIUM	4510 UG/L		
	MANGANESE	273 UG/L		
	POTASSIUM	15400 UG/L		
	SODIUM	18100 UG/L		
	ZINC	31 UG/L	J	
	LEAD	8.2 UG/L	ND	PBGSWA
MW-17S	1,1,1-TRICHLOROETHANE	34 UG/L		824KWN
	1,1-DICHLOROETHANE	4.1 UG/L	J	
	TRICHLOROETHENE	2.1 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L	U	827KWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-17S	SILICA,DISSOLVED	8.8 MG/L		SICMWN
	TOTAL ORGANIC HALIDES	.11 MG/L		TOXSWN
MW-17S Dissolved	BARIUM	58 UG/L		ICPSWN
	CALCIUM	16700 UG/L	J	
	MAGNESIUM	2250 UG/L		
	MANGANESE	581 UG/L		
	POTASSIUM	13800 UG/L		
	SODIUM	21900 UG/L		
	LEAD	3.2 UG/L	ND	PBGSWA
MW-17S Total	ARSENIC	44.9 UG/L		ASGSWA
	BARIUM	138 UG/L		ICPSWN
	CALCIUM	20600 UG/L	J	
	COPPER	43 UG/L		
	IRON	52400 UG/L	J	
	MAGNESIUM	5740 UG/L		
	MANGANESE	1330 UG/L		
	POTASSIUM	17000 UG/L		
	SODIUM	24500 UG/L		
	VANADIUM	22 UG/L		
	ZINC	82 UG/L	J	
	LEAD	18 UG/L	ND	PBGSWA
MW-18S	ALDRIN	.042 UG/L		808SWN
	ALPHA-BHC	.016 UG/L		
	HEPTACHLOR EPOXIDE	.063 UG/L		
	BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L	U	827KWN
	DIETHYLPHTHALATE	1 UG/L	J	
	NAPHTHALENE	1 UG/L	J	
	SILICA,DISSOLVED	15 MG/L		SICMWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-18S	TOTAL ORGANIC HALIDES	.12 MG/L		TOXSWN
MW-18S DISSOLVED	BARIUM	18 UG/L		ICPSWN
	CALCIUM	29300 UG/L		
	MAGNESIUM	3210 UG/L		
	MANGANESE	349 UG/L		
	POTASSIUM	5250 UG/L		
	SODIUM	30200 UG/L		
MW-18S TOTAL	ARSENIC	59.7 UG/L	J	ASGSWA
	BARIUM	335 UG/L		ICPSWN
	BERYLLIUM	2.1 UG/L		
	CALCIUM	45400 UG/L		
	CHROMIUM	83 UG/L		
	COBALT	31 UG/L		
	COPPER	123 UG/L		
	IRON	64200 UG/L		
	MAGNESIUM	16400 UG/L		
	MANGANESE	4220 UG/L		
	NICKEL	86 UG/L		
	POTASSIUM	16200 UG/L		
	SODIUM	32200 UG/L		
	VANADIUM	62 UG/L		
	ZINC	171 UG/L		
	LEAD	29.4 UG/L	ND	PBGSWA
MW-19S	4,4'-DDE	.0081 UG/L	J	808SWN
	4,4'-DDT	.024 UG/L		
	FLUORANTHENE	2 UG/L	J	827KWN
	PHENANTHRENE	3 UG/L	J	
	PYRENE	2 UG/L	J	
	SILICA,DISSOLVED	19 MG/L		SICMWN
	TKN	.15 MG/L		TKNEWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-19S	TOTAL ORGANIC HALIDES	.12 MG/L		TOXSWN
MW-19S DISSOLVED	BARIUM	13 UG/L		ICPSWN
	CALCIUM	34400 UG/L		
	IRON	84 UG/L	ND	
	MAGNESIUM	4330 UG/L		
	MANGANESE	92 UG/L		
	POTASSIUM	3610 UG/L		
	SODIUM	10300 UG/L		
MW-19S TOTAL	ARSENIC	61.7 UG/L		ASGSWA
	BARIUM	359 UG/L		ICPSWN
	BERYLLIUM	3.5 UG/L		
	CALCIUM	44900 UG/L		
	CHROMIUM	154 UG/L		
	COBALT	52 UG/L		
	COPPER	125 UG/L		
	IRON	111000 UG/L		
	MAGNESIUM	28000 UG/L		
	MANGANESE	1750 UG/L		
	NICKEL	142 UG/L		
	POTASSIUM	14800 UG/L		
	SODIUM	13800 UG/L		
	VANADIUM	115 UG/L		
	ZINC	273 UG/L	ND	
	LEAD	45.8 UG/L		PBGSWA
MW-1D	ENDOSULFAN SULFATE	.0084 UG/KG	J	808SWN
	BIS(2-ETHYLHEXYL)PHTHALATE	86 UG/L	U	827KWN
	SILICA,DISSOLVED	20 MG/L		SICMWN
	TKN	1.1 MG/L		TKNEWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-1D	TOTAL ORGANIC HALIDES	.39 MG/L		TOXSWN
MW-1D dissolved	ARSENIC	.0053 MG/L		ASGSWA
	BARIUM	.014 MG/L		ICPSWN
	CALCIUM	11.7 MG/L		
	COBALT	.018 MG/L		
	IRON	13.8 MG/L		
	MAGNESIUM	2.61 MG/L		
	MANGANESE	3.81 MG/L		
	SODIUM	25.8 MG/L		
	LEAD	.0042 MG/L	ND	PBGSWA
MW-1D total	ARSENIC	.007 MG/L		ASGSWA
	BARIUM	.023 MG/L		ICPSWN
	CALCIUM	13.2 MG/L		
	COBALT	.019 MG/L		
	COPPER	.054 MG/L		
	IRON	16 MG/L		
	MAGNESIUM	3.42 MG/L		
	MANGANESE	3.71 MG/L		
	SODIUM	28.1 MG/L		
	ZINC	.027 MG/L	ND	
	LEAD	.006 MG/L	ND	PBGSWA
MW-1S	DINOSEB	.65 UG/L		815SWA
	CHLOROBENZENE	11000 UG/L		824KWN
	ETHYLBENZENE	320 UG/L		
	M&P-XYLENE	240 UG/L	J	
	METHYLENE CHLORIDE	450 UG/L	U	
	O-XYLENE	48 UG/L	J	
	1,2-DICHLOROBENZENE	3 UG/L	J	827KWN
	1,3-DICHLOROBENZENE	1 UG/L	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-1S	1,4-DICHLOROBENZENE	1 UG/L	J	827KWN
	2-CHLOROPHENOL	240 UG/L		
	4-CHLOROANILINE	8 UG/L	J	
	4-METHYLPHENOL	1 UG/L	J	
	ACETOPHENONE	3 UG/L	J	
	ANILINE	3 UG/L	J	
	BIS(2-CHLOROETHOXY)METHANE	1 UG/L	J	
	NAPHTHALENE	7 UG/L	J	
	O-TOLUIDINE	1 UG/L	J	
	PHENOL	36 UG/L		
	SILICA,DISSOLVED	21 MG/L		SICMWN
	TKN	12 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.58 MG/L		TOXSWN
MW-1S dissolved	ARSENIC	.0041 MG/L		ASGSWA
	BARIUM	.121 MG/L		ICPSWN
	CALCIUM	74.6 MG/L		
	IRON	.867 MG/L		
	MAGNESIUM	5.59 MG/L		
	MANGANESE	1.32 MG/L		
	POTASSIUM	10.1 MG/L	J	
	SODIUM	101 MG/L		
MW-1S total	LEAD	.0047 MG/L	ND	PBGSWA
	ARSENIC	.006 MG/L		ASGSWA
	BARIUM	.074 MG/L		ICPSWN
	CALCIUM	73.5 MG/L		
	IRON	2.17 MG/L		
	MAGNESIUM	5.6 MG/L		
	MANGANESE	1.32 MG/L		
	POTASSIUM	10.7 MG/L	J	
MW-1S	SODIUM	101 MG/L		
	LEAD	.007 MG/L	ND	PBGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-2S	ISODRIN	.095 UG/L		808SWN
	CHLOROBENZENE	9000 UG/L		824KWN
	TOLUENE	1000 UG/L		
	1,2-DICHLOROBENZENE	54 UG/L		827KWN
	1,4-DICHLOROBENZENE	1 UG/L	J	
	2,4-DIMETHYLPHENOL	7 UG/L	J	
	2-CHLOROPHENOL	23 UG/L		
	2-METHYLPHENOL	5 UG/L	J	
	4-METHYLPHENOL	56 UG/L		
	BENZO(B)FLUORANTHENE	1 UG/L	J	
	BENZO(G,H,I)PERYLENE	2 UG/L	J	
	BENZO(K)FLUORANTHENE	1 UG/L	J	
	BIS(2-ETHYLHEXYL)PHTHALATE	1 UG/L	J	
	BUTAZOLIDIN	9 UG/L	J	
	DI-N-BUTYLPHTHALATE	1 UG/L	J	
	DIBENZ(A,H)ANTHRACENE	3 UG/L	J	
	INDENO(1,2,3-CD)PYRENE	2 UG/L	J	
	NAPHTHALENE	26 UG/L		
	PENTACHLOROPHENOL	3 UG/L	J	
	PHENANTHRENE	1 UG/L	J	
	PHENOL	9 UG/L	J	
	SILICA,DISSOLVED	29 MG/L		SICMWN
	TKN	18 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.27 MG/L		TOXSWN
MW-2S DISSOLVED	ARSENIC	6.2 UG/L		ASGSWA
	BARIUM	201 UG/L		ICPSWN
	CALCIUM	68600 UG/L		
	IRON	1470 UG/L		
	MAGNESIUM	3460 UG/L		
	MANGANESE	156 UG/L		
	POTASSIUM	12700 UG/L		
	SODIUM	21400 UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-2S DISSOLVED	LEAD	8.5 UG/L		PBGSWA
	ANTIMONY	13.4 UG/L	J	SBGSWA
MW-2S TOTAL	ARSENIC	12.7 UG/L		ASGSWA
	CYANIDE	22.1 UG/L		CNTSWA
	BARIUM	262 UG/L		ICPSWN
	CALCIUM	65900 UG/L		
	COPPER	23 UG/L		
	IRON	6560 UG/L		
	MAGNESIUM	3320 UG/L		
	MANGANESE	157 UG/L		
	POTASSIUM	12200 UG/L		
	SODIUM	20400 UG/L		
	ZINC	340 UG/L		
	LEAD	26.6 UG/L		PBGSWA
	ANTIMONY	23 UG/L	J	SBGSWA
MW-3S	HEPTACHLOR EPOXIDE	.019 UG/L	U	808SWN
	CHLOROBENZENE	1.3 UG/L	J	824KWN
	BENZO(A)ANTHRACENE	1 UG/L	J	827KWN
	FLUORANTHENE	8 UG/L	J	
	PYRENE	6 UG/L	J	
	SILICA,DISSOLVED	9.7 MG/L		SICMWN
	TKN	.33 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.14 MG/L		TOXSWN
MW-3S DISSOLVED	ARSENIC	5.2 UG/L	J	ASGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-3S DISSOLVED	BARIUM	33 UG/L		ICPSWN
	CALCIUM	23000 UG/L		
	IRON	9160 UG/L		
	MAGNESIUM	3250 UG/L		
	MANGANESE	1370 UG/L		
	POTASSIUM	3700 UG/L		
	SODIUM	23800 UG/L		
MW-3S TOTAL	ARSENIC	68.2 UG/L	J	ASGSWA
	BARIUM	52 UG/L		ICPSWN
	CALCIUM	22400 UG/L		
	IRON	40500 UG/L		
	MAGNESIUM	3360 UG/L		
	MANGANESE	1320 UG/L		
	POTASSIUM	3330 UG/L		
	SODIUM	23200 UG/L		
	LEAD	12.9 UG/L	ND	PBGSWA
MW-4S	ALPHA-BHC	.14 UG/L	J	808SWN
	ENDRIN	.086 UG/L	J	
	2,4,5-TP (SILVEX)	.067 UG/L	J	815SWN
	1,1,1-TRICHLOROETHANE	5 UG/L	J	824KWN
	1,1-DICHLOROETHANE	4 UG/L	J	
	BENZENE	5 UG/L	J	
	CHLOROBENZENE	76 UG/L	J	
	ETHYLBENZENE	340 UG/L		
	M&P-XYLENE	990 UG/L		
	O-XYLENE	390 UG/L		
	TETRACHLOROETHENE	2 UG/L	J	
	TOLUENE	26000 UG/L		
	1,2-DICHLOROBENZENE	25 UG/L		827KWN
	2,4-DICHLOROPHENOL	12 UG/L		
	2,4-DIMETHYLPHENOL	12 UG/L		
	2-CHLOROPHENOL	4 UG/L	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-4S	2-METHYLPHENOL	49 UG/L		827KWN
	4-METHYLPHENOL	43 UG/L		
	ACETOPHENONE	7 UG/L	J	
	ANILINE	2 UG/L	J	
	BENZYL ALCOHOL	6 UG/L	J	
	IRGASAN DP-300	22 UG/L	J	
	NAPHTHALENE	4 UG/L	J	
	PHENOL	4 UG/L	J	
	SILICA,DISSOLVED	12 MG/L		SICMWN
	TKN	2.2 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.23 MG/L		TOXSWN
MW-4S DISSOLVED		5 UG/L		ASGSWA
	BARIUM	41 UG/L		ICPSWN
	CALCIUM	50900 UG/L		
	IRON	18000 UG/L		
	MAGNESIUM	5670 UG/L		
	MANGANESE	2690 UG/L		
	POTASSIUM	6320 UG/L		
	SODIUM	58700 UG/L		
MW-4S TOTAL		6 UG/L		ASGSWA
	BARIUM	43 UG/L		ICPSWN
	CALCIUM	51600 UG/L		
	IRON	17700 UG/L		
	MAGNESIUM	5700 UG/L		
	MANGANESE	2460 UG/L		
	POTASSIUM	6200 UG/L		
	SODIUM	58100 UG/L		
MW-5S	4,4'-DDT	.031 UG/L	J	808SWN
	ALPHA-CHLORDANE	.079 UG/L		
	DELTA-BHC	.021 UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
MW-5S	DIELDRIN	.036 UG/L	J	808SWN
	GAMMA-CHLORDANE	.12 UG/L		
	HEPTACHLOR EPOXIDE	.054 UG/L		
	BIS(2-ETHYLHEXYL)PHTHALATE	3 UG/L	J	827KWN
	SILICA,DISSOLVED	9.1 MG/L		SICMWN
	TKN	.17 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.13 MG/L		TOXSWN
MW-5S DISSOLVED	BARIUM	33 UG/L		ICPSWN
	CALCIUM	17200 UG/L		
	MAGNESIUM	2100 UG/L		
	SODIUM	14800 UG/L		
	LEAD	4.7 UG/L		PBGSWA
MW-5S TOTAL	ARSENIC	4.1 UG/L		ASGSWA
	BARIUM	65 UG/L		ICPSWN
	CALCIUM	19200 UG/L		
	IRON	4620 UG/L		
	MAGNESIUM	2490 UG/L		
	MANGANESE	913 UG/L		
	SODIUM	18200 UG/L		
	ZINC	27 UG/L		
	LEAD	12.3 UG/L		PBGSWA
MW-6S	ALDRIN	.028 UG/L		808SWN
	GAMMA-CHLORDANE	.016 UG/L		
	DIMETHIOATE	.44 UG/L	J	814SWN
	CHLOROBENZENE	1.8 UG/L	J	824KWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-6S	PROPAZINE	35 UG/L	J	827KWN
	TINUVIN 327	3 UG/L	J	
	SILICA,DISSOLVED	12 MG/L		SICMWN
	TKN	2.6 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.14 MG/L		TOXSWN
MW-6S DISSOLVED	BARIUM	39 UG/L		ICPSWN
	CALCIUM	34300 UG/L	J	
	IRON	5040 UG/L	J	
	MAGNESIUM	2520 UG/L		
	MANGANESE	343 UG/L		
	POTASSIUM	5590 UG/L		
	SODIUM	14200 UG/L		
	ZINC	93 UG/L	J	
	LEAD	3.7 UG/L	ND	PBGSWA
MW-6S TOTAL	ARSENIC	5.7 UG/L		ASGSWA
	BARIUM	81 UG/L		ICPSWN
	CALCIUM	34400 UG/L	J	
	CHROMIUM	20 UG/L	ND	
	IRON	20600 UG/L	J	
	MAGNESIUM	3600 UG/L		
	MANGANESE	427 UG/L		
	POTASSIUM	6230 UG/L		
	SODIUM	14900 UG/L		
	ZINC	291 UG/L	J	
MW-7S	LEAD	29.8 UG/L	ND	PBGSWA
	ALPHA-CHLORDANE	.0031 UG/L	J	808SWN
	DELTA-BHC	.012 UG/L		
	GAMMA-CHLORDANE	.0062 UG/L	J	

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-7S	2-METHYLNAPHTHALENE	4 UG/L	J	827KWN
	NAPHTHALENE	13 UG/L		
	SILICA,DISSOLVED	18 MG/L		SICMWN
	TKN	.15 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.16 MG/L		TOXSWN
MW-7S DISSOLVED		48 UG/L		ICPSWN
	BARIUM	17600 UG/L		
	CALCIUM	9550 UG/L		
	IRON	4680 UG/L		
	MAGNESIUM	879 UG/L		
	MANGANESE	11100 UG/L		
	SODIUM			
MW-7S TOTAL	ARSENIC	33.9 UG/L		ASGSWA
	BARIUM	95 UG/L		ICPSWN
	CALCIUM	18200 UG/L		
	CHROMIUM	25 UG/L		
	IRON	70500 UG/L		
	MAGNESIUM	5700 UG/L		
	MANGANESE	993 UG/L		
	SODIUM	12900 UG/L		
	LEAD	17.5 UG/L	ND	PBGSWA
MW-8S	4,4'-DDE	.012 UG/L		808SWN
	ALDRIN	.0054 UG/L	J	
	ALPHA-BHC	.012 UG/L		
	DIELDRIN	.022 UG/L		
	ISODRIN	.0086 UG/L	J	
	1,1-DICHLOROETHANE	1 UG/L	J	824KWN
	CHLOROBENZENE	2.4 UG/L	J	
	ANTHRACENE	1 UG/L	J	827KWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
MW-8S	BENZO(A)ANTHRACENE	1	UG/L	J	827KWN
	BENZO(B)FLUORANTHENE	1	UG/L	J	
	BENZO(K)FLUORANTHENE	2	UG/L	J	
	CHRYSENE	1	UG/L	J	
	FLUORANTHENE	3	UG/L	J	
	PHENANTHRENE	1	UG/L	J	
	PYRENE	3	UG/L	J	
	SILICA,DISSOLVED	19	MG/L		SICMWN
	TKN	4.5	MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.15	MG/L		TOXSWN
MW-8S Dissolved	BARIUM	45	UG/L		ICPSWN
	CALCIUM	33400	UG/L	J	
	IRON	8480	UG/L	J	
	MAGNESIUM	5280	UG/L		
	MANGANESE	1310	UG/L		
	POTASSIUM	7580	UG/L		
	SODIUM	18700	UG/L		
	ZINC	25	UG/L	J	
	LEAD	3.4	UG/L	ND	PBGSWA
MW-8S Total	ARSENIC	5.5	UG/L		ASGSWA
	BARIUM	94	UG/L		ICPSWN
	CALCIUM	37400	UG/L	J	
	CHROMIUM	28	UG/L	ND	
	COPPER	29	UG/L		
	IRON	24600	UG/L	J	
	MAGNESIUM	5800	UG/L		
	MANGANESE	1340	UG/L		
	POTASSIUM	8240	UG/L		
	SODIUM	22100	UG/L		
	ZINC	102	UG/L	J	
	LEAD	25	UG/L	ND	PBGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
MW-9S	CHLOROFORM	4.6 UG/L	J	824KWN
	2-METHYLNAPHTHALENE	4 UG/L	J	827KWN
	NAPHTHALENE	14 UG/L		
	SILICA,DISSOLVED	12 MG/L		SICMWN
	TOTAL ORGANIC HALIDES	.17 MG/L		TOXSWN
MW-9S DISSOLVED	BARIUM	18 UG/L		ICPSWN
	CALCIUM	10500 UG/L		
	IRON	127 UG/L	ND	
	MAGNESIUM	1610 UG/L		
	MANGANESE	405 UG/L		
	POTASSIUM	3750 UG/L		
	SODIUM	16700 UG/L		
	ZINC	43 UG/L	ND	
MW-9S TOTAL	BARIUM	28 UG/L		ICPSWN
	CALCIUM	10600 UG/L		
	IRON	1390 UG/L		
	MAGNESIUM	1680 UG/L		
	MANGANESE	625 UG/L		
	POTASSIUM	3850 UG/L		
	SODIUM	16400 UG/L		
	LEAD	4.9 UG/L	ND	PBGSWA
MW-DUP-4	4,4'-DDT	.07 UG/L	J	808SWN
	ALDRIN	.092 UG/L		
	2,4-D	.17 UG/L	J	815SWN
	1,1-DICHLOROETHANE	2.2 UG/L	J	824KWN
	BENZENE	31 UG/L		
	CHLOROBENZENE	3100 UG/L		

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-DUP-4	ETHYLBENZENE	2.4 UG/L	J	824KWN
	M&P-XYLENE	1.6 UG/L	J	
	METHYLENE CHLORIDE	9.8 UG/L	U	
	O-XYLENE	1 UG/L	J	
	TETRACHLOROETHENE	9.7 UG/L		
	TOLUENE	30 UG/L		
	TRICHLOROETHENE	2.1 UG/L	J	
	2,2'-OXYBIS(1-CHLOROPROPAN	26 UG/L		827KWN
	2-CHLOROPHENOL	7 UG/L	J	
	4-CHLOROANILINE	21 UG/L		
	ANILINE	6 UG/L	J	
	BIS(2-CHLOROETHYL)ETHER	5 UG/L	J	
	NAPHTHALENE	4 UG/L	J	
	O-TOLUIDINE	5 UG/L	J	
	PHENOL	6 UG/L	J	
	PROPAZINE	6 UG/L	J	
	TINUVIN 327	3 UG/L	J	
	SILICA,DISSOLVED	12 MG/L		SICMWN
	TKN	3 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.13 MG/L		TOXSWN
MW-DUP-4 Dissolv ed	BARIUM	20 UG/L		ICPSWN
	CALCIUM	32300 UG/L	J	
	IRON	6490 UG/L	J	
	MAGNESIUM	3170 UG/L		
	MANGANESE	487 UG/L		
	POTASSIUM	3580 UG/L		
	SODIUM	10600 UG/L		
	ZINC	1680 UG/L	J	
	LEAD	9 UG/L	ND	PBGSWA
MW-DUP-4 Total	ARSENIC	18.1 UG/L		ASGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-DUP-4 Total	BARIUM	42 UG/L		ICPSWN
	CALCIUM	33800 UG/L	J	
	COPPER	31 UG/L		
	IRON	23100 UG/L	J	
	MAGNESIUM	4010 UG/L		
	MANGANESE	561 UG/L		
	POTASSIUM	4100 UG/L		
	SODIUM	12400 UG/L		
	ZINC	2590 UG/L	J	
	LEAD	26.5 UG/L	ND	PBGSWA
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MW-DUP-4A	ALPHA-BHC	.014 UG/L		808SWN
	HEPTACHLOR EPOXIDE	.024 UG/L	U	
	CHLOROBENZENE	1.2 UG/L	J	824KWN
	BIS(2-ETHYLHEXYL)PHTHALATE	19 UG/L	U	827KWN
	FLUORANTHENE	9 UG/L	J	
	PYRENE	7 UG/L	J	
	SILICA,DISSOLVED	9.6 MG/L		SICMWN
	TOTAL ORGANIC HALIDES	.11 MG/L		TOXSWN
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MW-DUP-4A DISSOL ARSENIC VED		6.7 UG/L	J	ASGSWA
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	BARIUM	32 UG/L		ICPSWN
	CALCIUM	21800 UG/L		
	IRON	9260 UG/L		
	MAGNESIUM	3130 UG/L		
	MANGANESE	1290 UG/L		
	POTASSIUM	3410 UG/L		
	SODIUM	22800 UG/L		
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MW-DUP-4A TOTAL ARSENIC		56 UG/L	J	ASGSWA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-DUP-4A TOTAL	BARIUM	50 UG/L		ICPSWN
	CALCIUM	22000 UG/L		
	IRON	38500 UG/L		
	MAGNESIUM	3280 UG/L		
	MANGANESE	1290 UG/L		
	POTASSIUM	3300 UG/L		
	SODIUM	23200 UG/L		
	LEAD	12.1 UG/L	ND	PBGSWA
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MW-DUP-5	1,1,1-TRICHLOROETHANE	94 UG/L	J	824KWN
	1,1-DICHLOROETHANE	3 UG/L	J	
	2-BUTANONE	24 UG/L	J	
	BENZENE	12 UG/L	J	
	CHLOROBENZENE	97 UG/L	J	
	CHLOROFORM	9 UG/L	J	
	ETHYLBENZENE	630 UG/L		
	M&P-XYLENE	1600 UG/L		
	O-XYLENE	570 UG/L		
	TETRACHLOROETHENE	32 UG/L	J	
	TOLUENE	59000 UG/L		
	TRICHLOROETHENE	3 UG/L	J	
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	1,2,4-TRICHLOROBENZENE	2 UG/L	J	827KWN
	1,2-DICHLOROBENZENE	120 UG/L		
	2,4-DICHLOROPHENOL	330 UG/L		
	2,4-DIMETHYLPHENOL	16 UG/L		
	2-CHLOROPHENOL	3 UG/L	J	
	2-METHYLPHENOL	150 UG/L		
	4-CHLORO-3-METHYLPHENOL	11 UG/L		
	4-METHYLPHENOL	84 UG/L		
	ACETOPHENONE	15 UG/L		
	ANILINE	19 UG/L		
	BENZYL ALCOHOL	38 UG/L		
	BIS(2-ETHYLHEXYL)PHTHALATE	1 UG/L	J	
	IRGASAN DP-300	2000 UG/L		
	NAPHTHALENE	9 UG/L	J	
	PHENOL	42 UG/L		
	TCDF	14 UG/L	J	
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	TCDF	13 NG/L		828SWN

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2 METHOD
MW-DUP-5	SILICA,DISSOLVED	14 MG/L	SICMWN
	TKN	3.1 MG/L	TKNEWN
	TOTAL ORGANIC HALIDES	.2 MG/L	TOXSWN
MW-DUP-5 DISSOLV ARSENIC ED		14.4 UG/L	ASGSWA
	BARIUM	39 UG/L	ICPSWN
	CALCIUM	53300 UG/L	
	IRON	4230 UG/L	
	MAGNESIUM	4410 UG/L	
	MANGANESE	3060 UG/L	
	POTASSIUM	5640 UG/L	
	SODIUM	56000 UG/L	
MW-DUP-5 TOTAL	ARSENIC	17.2 UG/L	ASGSWA
	BARIUM	65 UG/L	ICPSWN
	CALCIUM	53600 UG/L	
	CHROMIUM	15 UG/L	
	IRON	11600 UG/L	
	MAGNESIUM	5400 UG/L	
	MANGANESE	3030 UG/L	
	POTASSIUM	5980 UG/L	
	SODIUM	55800 UG/L	
	ZINC	38 UG/L	
	LEAD	8.8 UG/L	PBGSWA

930 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-10S	TINUVIN-P	6 UG/L	J	827KWN
	UNKNOWN	4 UG/L	J	
	UNKNOWN CARBOXYLIC ACID	4 UG/L	J	
MW-11S	1-CHLORO-4-(TRIFLUOROMETHY)	21 UG/L	J	824KWN
	CIS-1,2-DICHLOROETHENE	16 UG/L	J	
	UNKNOWN TRIMETHYLBENZENE	9 UG/L	J	
	C2-NAPHTHALENE	6 UG/L	J	827KWN
	C4-BENZENE	99 UG/L	J	
	C4-PHENOL	6 UG/L	J	
	CHLOROTRIFLUOROMETHYL ANILINE	110 UG/L	J	
	CHLOROTRIFLUOROMETHYL ANILINE_1	870 UG/L	J	
	METHYLBENZENESULFONAMIDE_1	10 UG/L	J	
	TINUVIN-P	18 UG/L	J	
	TRIFLUOROMETHYL ANILINE	5100 UG/L	J	
	UNKNOWN	11 UG/L	J	
	UNKNOWN_1	6 UG/L	J	
	UNKNOWN_2	41 UG/L	J	
	UNKNOWN_3	4 UG/L	J	
	UNKNOWN_4	6 UG/L	J	
	UNKNOWN_5	100 UG/L	J	
	UNKNOWN_6	16 UG/L	J	
MW-12D	METHYL CYCLOHEXANE	51 UG/L	J	824KWN
	UNKNOWN	39 UG/L	J	
	UNKNOWN CYCLOHEXANE	98 UG/L	J	
	UNKNOWN CYCLOHEXANE_1	74 UG/L	J	
	UNKNOWN CYCLOHEXANE_2	9 UG/L	J	
	UNKNOWN HYDROCARBON	59 UG/L	J	
	UNKNOWN HYDROCARBON_1	9 UG/L	J	
	UNKNOWN HYDROCARBON_2	69 UG/L	J	
	UNKNOWN HYDROCARBON_3	27 UG/L	J	
	UNKNOWN HYDROCARBON_4	8 UG/L	J	
MW-12S	1-CHLORO-4-(TRIFLUOROMETHY)	1100 UG/L	J	824KWN

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
MW-12S	1H-BENZOTRIAZOLE	7	UG/L	J	827KWN
	C4 BENZENE	40	UG/L	J	
	DIMETHOXYDIPHENYLETHANONE	4	UG/L	J	
	UNKNOWN	32	UG/L	J	
	UNKNOWN_1	16	UG/L	J	
	UNKNOWN_10	54	UG/L	J	
	UNKNOWN_11	6	UG/L	J	
	UNKNOWN_12	10	UG/L	J	
	UNKNOWN_13	70	UG/L	J	
	UNKNOWN_14	4	UG/L	J	
	UNKNOWN_15	22	UG/L	J	
	UNKNOWN_16	62	UG/L	J	
	UNKNOWN_2	32	UG/L	J	
	UNKNOWN_3	9	UG/L	J	
	UNKNOWN_4	15	UG/L	J	
	UNKNOWN_5	8	UG/L	J	
	UNKNOWN_6	15	UG/L	J	
	UNKNOWN_7	10	UG/L	J	
	UNKNOWN_8	8	UG/L	J	
	UNKNOWN_9	4	UG/L	J	
MW-13S	UNKNOWN	8	UG/L	J	824KWN
	UNKNOWN BENZENE	660	UG/L	J	
	UNKNOWN BENZENE_1	760	UG/L	J	
	UNKNOWN BENZENE_2	12	UG/L	J	
	UNKNOWN BENZENE_3	50	UG/L	J	
	UNKNOWN BENZENE_4	8	UG/L	J	
	UNKNOWN_1	7	UG/L	J	
	C2-NAPHTHALENE	9	UG/L	J	827KWN
	C8-BENZENEDIOL	81	UG/L	J	
	C8-PHENOL	6	UG/L	J	
	C8-PHENOL_1	31	UG/L	J	
	C9-PHENOL	370	UG/L	J	
	NONYLPHENOL ISOMER	5	UG/L	J	
	SULFUR, MOL.	77	UG/L	J	
	TINUVIN-P	80	UG/L	J	
	TRIFLUOROMETHYLANILINE	1300	UG/L	J	
	UNKNOWN	4	UG/L	J	

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
MW-13S	UNKNOWN_1	28	UG/L	J	827KWN
	UNKNOWN_2	27	UG/L	J	
	UNKNOWN_3	27	UG/L	J	
	UNKNOWN_4	25	UG/L	J	
	UNKNOWN_5	150	UG/L	J	
	UNKNOWN_6	81	UG/L	J	
	UNKNOWN_7	77	UG/L	J	
	UNKNOWN_8	79	UG/L	J	
MW-14S	1,1'-BIPHENYL	92	UG/L	J	827KWN
	BENZENE, 1,1'-OXYBIS-	38	UG/L	J	
	CHLOROBIPHENYL	120	UG/L	J	
	CHLOROBIPHENYL_1	32	UG/L	J	
	CHLOROPHENOL	21	UG/L	J	
	CHLOROTRIFLUOROMETHYLANILI	7	UG/L	J	
	DICHLOROBIPHENYL	17	UG/L	J	
	DICHLOROBIPHENYL_1	16	UG/L	J	
	DICHLOROBIPHENYL_2	15	UG/L	J	
	UNKNOWN	4	UG/L	J	
	UNKNOWN_1	10	UG/L	J	
	UNKNOWN_10	190	UG/L	J	
	UNKNOWN_2	26	UG/L	J	
	UNKNOWN_3	14	UG/L	J	
	UNKNOWN_4	14	UG/L	J	
	UNKNOWN_5	16	UG/L	J	
	UNKNOWN_6	18	UG/L	J	
	UNKNOWN_7	19	UG/L	J	
	UNKNOWN_8	19	UG/L	J	
	UNKNOWN_9	20	UG/L	J	
MW-15D	C4-BENZENE	40	UG/L	J	827KWN
	C4-BENZENE_1	4	UG/L	J	
	C4-BENZENE_2	7	UG/L	J	
	C4-BENZENE_3	4	UG/L	J	
	C5-BENZENE	4	UG/L	J	
	DIMETHOXY ACETOPHENONE	5	UG/L	J	
	TINUVIN-P	67	UG/L	J	
	UNKNOWN	6	UG/L	J	

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-15S	CHLOROTRIFLUOROMETHYL ANIL	12 UG/L	J	827KWN
	DIMETHOXY ACETOPHENONE	59 UG/L	J	
	TINUVIN-P	94 UG/L	J	
	UNKNOWN	4 UG/L	J	
	UNKNOWN_10	25 UG/L	J	
	UNKNOWN_11	81 UG/L	J	
	UNKNOWN_2	10 UG/L	J	
	UNKNOWN_3	26 UG/L	J	
	UNKNOWN_4	21 UG/L	J	
	UNKNOWN_5	320 UG/L	J	
	UNKNOWN_6	76 UG/L	J	
	UNKNOWN_7	17 UG/L	J	
	UNKNOWN_8	110 UG/L	J	
	UNKNOWN_9	45 UG/L	J	
MW-17D	C8-ALCOHOL	40 UG/L	J	827KWN
	UNKNOWN	12 UG/L	J	
	UNKNOWN_11	10 UG/L	J	
	UNKNOWN_12	4 UG/L	J	
	UNKNOWN_13	4 UG/L	J	
	UNKNOWN_14	4 UG/L	J	
MW-17S	UNKNOWN	11 UG/L	J	827KWN
	UNKNOWN_10	11 UG/L	J	
MW-18S	UNKNOWN	5 UG/L	J	827KWN
	UNKNOWN_1	5 UG/L	J	
MW-19S	CYCLOHEXANE, BROMO-	6 UG/L	J	827KWN

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-1D	SULFUR, MOL.	51 UG/L	J	827KWN
	UNKNOWN CARBOXYLIC ACID ES	4 UG/L	J	
	UNKNOWN_1	9 UG/L	J	
MW-1S	C2-NAPHTHALENE	22 UG/L	J	827KWN
	C2-QUINOXALINE	25 UG/L	J	
	C4-BENZENE	14 UG/L	J	
	C4-PHENOL	150 UG/L	J	
	C4-PIPERIDINOL	550 UG/L	J	
	CHLOROTRIFLUOROMETHYL ANILINI	230 UG/L	J	
	DIMETHOXY ACETOPHENONE	68 UG/L	J	
	METHYL PENTENOL	14 UG/L	J	
	PHENOL, PHENOXY-	42 UG/L	J	
	SULFUR, MOL.	95 UG/L	J	
	TRIFLUOROMETHYL ANILINE	5.1 UG/L	J	
	UNKNOWN_3	16 UG/L	J	
MW-2S	CIS-1,2-DICHLOROETHANE	24000 UG/L	J	824KWN
	UNKNOWN C3 BENZENE	600 UG/L	J	
	1,1'-BIPHENYL	6 UG/L	J	827KWN
	BENZENE, 1,1'-OXYBIS-	70 UG/L	J	
	C8-ALCOHOL	300 UG/L	J	
	HEXATHIEPANE	15 UG/L	J	
	HYDROXYBIPHENYL	9 UG/L	J	
	SULFUR, MOL. (S8)	120 UG/L	J	
	TINUVIN P	10 UG/L	J	
	UNKNOWN	75 UG/L	J	
	UNKNOWN CARBOXYLIC ACID	12 UG/L	J	
	UNKNOWN_1	7 UG/L	J	
	UNKNOWN_10	75 UG/L	J	
	UNKNOWN_11	12 UG/L	J	
	UNKNOWN_2	7 UG/L	J	
	UNKNOWN_3	15 UG/L	J	
	UNKNOWN_4	14 UG/L	J	
	UNKNOWN_5	6 UG/L	J	
	UNKNOWN_6	120 UG/L	J	

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
MW-2S	UNKNOWN_7	23	UG/L	J	827KWN
	UNKNOWN_8	14	UG/L	J	
	UNKNOWN_9	18	UG/L	J	
MW-3S	UNKNOWN	4	UG/L	J	827KWN
	UNKNOWN_1	6	UG/L	J	
MW-4S	UNKNOWN C4 BENZENE	2600	UG/L	J	824KWN
	UNKNOWN C4 BENZENE_1	130	UG/L	J	
	1(3H)-ISOBENZOFURANONE	5	UG/L	J	827KWN
	1,1'-BIPHENYL	4	UG/L	J	
	BENZENE, 1,1'-OXYBIS-	110	UG/L	J	
	C3-PHENYL PHENOL	23	UG/L	J	
	CHLOROMETHYLPHENOL	15	UG/L	J	
	CHLOROTRIFLUOROMETHYLANILI	23	UG/L	J	
	METHYLBENZOATE	5	UG/L	J	
	SULFUR, MOL.(S8)	61	UG/L	J	
	TINUVIN P	12	UG/L	J	
	UNKNOWN	4	UG/L	J	
	UNKNOWN_1	25	UG/L	J	
	UNKNOWN_2	71	UG/L	J	
	UNKNOWN_3	7	UG/L	J	
	UNKNOWN_4	5	UG/L	J	
	UNKNOWN_5	12	UG/L	J	
	UNKNOWN_6	24	UG/L	J	
	UNKNOWN_7	15	UG/L	J	
	UNKNOWN_8	13	UG/L	J	
MW-6S	CHLOROTRIFLUOROMETHYLANILI	11	UG/L	J	827KWN
	CHLOROTRIFLUOROMETHYLANILI_1	21	UG/L	J	
	TINUVIN-P	5	UG/L	J	
	UNKNOWN	4	UG/L	J	
	UNKNOWN_1	4	UG/L	J	
	UNKNOWN_2	4	UG/L	J	
	UNKNOWN_3	4	UG/L	J	

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	QUAL METHOD
MW-6S	UNKNOWN_4	4	UG/L	J	827KWN
	UNKNOWN_5	9	UG/L	J	
MW-7S	C4-BENZENE	15	UG/L	J	827KWN
	C4-BENZENE_1	28	UG/L	J	
	C4-BENZENE_2	14	UG/L	J	
	C4-BENZENE_3	4	UG/L	J	
	C4-BENZENE_4	7	UG/L	J	
	C4-BENZENE_5	4	UG/L	J	
	C5-BENZENE	4	UG/L	J	
	UNKNOWN	40	UG/L	J	
	UNKNOWN_1	18	UG/L	J	
MW-8S	UNKNOWN	4	UG/L	J	827KWN
	UNKNOWN_7	4	UG/L	J	
	UNKNOWN_8	13	UG/L	J	
	UNKNOWN_9	4	UG/L	J	
MW-9S	C4-BENZENE	40	UG/L	J	827KWN
	C4-BENZENE_1	4	UG/L	J	
	C4-BENZENE_2	7	UG/L	J	
	UNKNOWN	43	UG/L	J	
MW-DUP-4	1-CHLORO-4-(TRIFLUOROMETHY	20	UG/L	J	824KWN
	CIS-1,2-DICHLOROETHENE	15	UG/L	J	
	UNKNOWN TRIMETHYLBENZENE	8	UG/L	J	
	C4-BENZENE	130	UG/L	J	827KWN
	C4-PHENOL	4	UG/L	J	
	CHLOROTRIFLUOROMETHYLANI	110	UG/L	J	
	CHLOROTRIFLUOROMETHYLANI_1	900	UG/L	J	
	TINUVIN-P	23	UG/L	J	
	TRIFLUOROMETHYL ANILINE	4500	UG/L	J	
	UNKNOWN	5	UG/L	J	

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
MW-DUP-4	UNKNOWN_15	13	UG/L	J	827KWN
	UNKNOWN_16	6	UG/L	J	
	UNKNOWN_17	4	UG/L	J	
	UNKNOWN_18	8	UG/L	J	
	UNKNOWN_19	29	UG/L	J	
	UNKNOWN_20	4	UG/L	J	
	UNKNOWN_21	5	UG/L	J	
	UNKNOWN_22	150	UG/L	J	
	UNKNOWN_23	8	UG/L	J	
	UNKNOWN_24	16	UG/L	J	
MW-DUP-4A	TRIFLUOROMETHYLANILINE	40	UG/L	J	827KWN
	UNKNOWN	4	UG/L	J	
	UNKNOWN_1	4	UG/L	J	
MW-DUP-5	METHYLCYCLOHEXANE	50	UG/L	J	824KWN
	UNKNOWN	10	UG/L	J	
	UNKNOWN C4 BENZENE	29	UG/L	J	
	UNKNOWN C4 BENZENE_2	5300	UG/L	J	
	UNKNOWN CYCLOHEXANE	93	UG/L	J	
	1,1'-BIPHENYL	82	UG/L	J	827KWN
	BENZENE, 1,1'-OXYBIS-	37	UG/L	J	
	CHLOROBIPHENYL	100	UG/L	J	
	CHLOROBIPHENYL_1	30	UG/L	J	
	DICHLOROBIPHENYL	16	UG/L	J	
	DICHLOROBIPHENYL_1	23	UG/L	J	
	DICHLOROBIPHENYL_2	15	UG/L	J	
	UNKNOWN	49	UG/L	J	
	UNKNOWN_1	13	UG/L	J	
	UNKNOWN_10	9	UG/L	J	
	UNKNOWN_2	22	UG/L	J	
	UNKNOWN_3	10	UG/L	J	
	UNKNOWN_4	14	UG/L	J	
	UNKNOWN_5	16	UG/L	J	
	UNKNOWN_6	18	UG/L	J	
	UNKNOWN_7	19	UG/L	J	
	UNKNOWN_8	18	UG/L	J	

TIC's

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CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: MONITORING WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
MW-DUP-5	UNKNOWN_9	170 UG/L	J	827KWN

TIC's

261 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: ROCK WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
RW-1	DELTA-BHC	.014 UG/L		808SWN
	CHLOROBENZENE	1 UG/L	J	824KWN
	BENZO(G,H,I)PERYLENE	3 UG/L	J	827KWN
	SILICA,DISSOLVED	20 MG/L		SICMWN
	TOTAL ORGANIC HALIDES	.033 MG/L		TOXSWN
RW-1 DISSOLVED	BARIUM	17 UG/L		ICPSWN
	CALCIUM	15200 UG/L		
	MAGNESIUM	6410 UG/L		
	POTASSIUM	12300 UG/L		
	SODIUM	19400 UG/L		
	LEAD	51.9 UG/L		PBGSWA
RW-1 TOTAL	BARIUM	48 UG/L		ICPSWN
	CALCIUM	49200 UG/L		
	IRON	601 UG/L		
	MAGNESIUM	7730 UG/L		
	MANGANESE	280 UG/L		
	POTASSIUM	10300 UG/L		
	SODIUM	18200 UG/L		
	LEAD	14.9 UG/L		PBGSWA
RW-2	DELTA-BHC	.012 UG/L		808SWN
	GAMMA-CHLORDANE	.074 UG/L		
	DINOSEB	.038 UG/L	J	815SWN
	METHYLENE CHLORIDE	5.5 UG/L	U	824KWN
	SILICA,DISSOLVED	19 MG/L		SICMWN

* - For detailed explanation, see Appendix I.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: ROCK WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
RW-2	TOTAL ORGANIC HALIDES	.1 MG/L		TOXSWN
RW-2 DISSOLVED	ARSENIC	5.2 UG/L		ASGSWA
	BARIUM	163 UG/L		ICPSWN
	CALCIUM	17500 UG/L		
	IRON	2660 UG/L		
	MAGNESIUM	2980 UG/L		
	MANGANESE	537 UG/L		
	POTASSIUM	6580 UG/L		
	SODIUM	21800 UG/L		
	ZINC	67 UG/L	ND	
RW-2 TOTAL	ARSENIC	8.5 UG/L		ASGSWA
	BARIUM	56 UG/L		ICPSWN
	CALCIUM	24500 UG/L		
	IRON	9880 UG/L		
	MAGNESIUM	4290 UG/L		
	MANGANESE	732 UG/L		
	POTASSIUM	6140 UG/L		
	SODIUM	23300 UG/L		
	ZINC	29 UG/L	ND	
	LEAD	12.6 UG/L	ND	PBGSWA
RW-3	DELTA-BHC	.017 UG/L		808SWN
	DI-N-OCTYLPHthalATE	1 UG/L	J	827KWN
	FLUORANTHENE	1 UG/L	J	
	PYRENE	2 UG/L	J	
	SILICA, DISSOLVED	8.5 MG/L		SICMWN
	TKN	.55 MG/L		TKNEWN

* - For detailed explanation, see Appendix I.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: ROCK WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
RW-3	TOTAL ORGANIC HALIDES	.17 MG/L		TOXSWN
RW-3 DISSOLVED	BARIUM	190 UG/L		ICPSWN
	CALCIUM	190000 UG/L	J	
	IRON	43 UG/L	ND	
	POTASSIUM	11100 UG/L		
	SODIUM	61300 UG/L		
	LEAD	3.7 UG/L	ND	PBGSWA
	TIN	100 UG/L		SNEKWN
RW-3 TOTAL	ARSENIC	4.4 UG/L		ASGSWA
	BARIUM	200 UG/L		ICPSWN
	CALCIUM	203000 UG/L	J	
	CHROMIUM	32 UG/L	ND	
	IRON	698 UG/L	J	
	MANGANESE	15 UG/L		
	POTASSIUM	11000 UG/L		
	SODIUM	61800 UG/L		
	LEAD	6.8 UG/L	ND	PBGSWA
RW-4	ALDRIN	.013 UG/L	J	808SWN
	ENDOSULFAN II	.0041 UG/L	J	
	METHYLENE CHLORIDE	16 UG/L	U	824KWN
	SILICA,DISSOLVED	12 MG/L		SICMWN
	TKN	.17 MG/L		TKNEWN
	TOTAL ORGANIC HALIDES	.12 MG/L		TOXSWN

* - For detailed explanation, see Appendix I.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: ROCK WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
RW-4 DISSOLVED	BARIUM	17 UG/L		ICPSWN
	CALCIUM	12700 UG/L		
	IRON	3200 UG/L		
	MAGNESIUM	2490 UG/L		
	MANGANESE	829 UG/L		
	POTASSIUM	4780 UG/L		
	SODIUM	9920 UG/L		
RW-4 TOTAL	BARIUM	25 UG/L		ICPSWN
	CALCIUM	13200 UG/L		
	CHROMIUM	16 UG/L		
	IRON	7260 UG/L		
	MAGNESIUM	3040 UG/L		
	MANGANESE	813 UG/L		
	NICKEL	38 UG/L		
	POTASSIUM	4590 UG/L		
	SODIUM	10800 UG/L		
	ZINC	47 UG/L		
	LEAD	26.9 UG/L		PBGSWA

* - For detailed explanation, see Appendix I.

91 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: ROCK WELLS

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
RW-1	UNKNOWN	7 UG/L	J	827KWN
RW-3	BENZOIC ACID	29 UG/L	J	827KWN
	C8-ALCOHOL	40 UG/L	J	
	UNKNOWN	7 UG/L	J	
	UNKNOWN CARBOXYLIC ACID	9 UG/L	J	
	UNKNOWN HYDROCARBON	5 UG/L	J	
	UNKNOWN_6	4 UG/L	J	
	UNKNOWN_7	4 UG/L	J	
	UNKNOWN_8	17 UG/L	J	
	UNKNOWN_9	14 UG/L	J	
RW-4	BUTOXYETHOXYETHANOL	6 UG/L	J	827KWN
	UNKNOWN	11 UG/L	J	
	UNKNOWN_1	40 UG/L	J	

TICs

13 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: DUPLICATE SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
DUP-2	4,4'-DDT	350 UG/KG		808SSN
	ISODRIN	240 UG/KG		
	METHYL PARATHION	5.7 UG/KG	J	814SSN
	ETHYLBENZENE	19000 UG/KG	J	824KSN
	M&P-XYLENE	87000 UG/KG		
	O-XYLENE	19000 UG/KG	J	
	TOLUENE	430000 UG/KG	J	
	2,4-DICHLOROPHENOL	4200 UG/KG	J	827KSN
	DCDF	1500 UG/KG	J	
	DIETHYLPHTHALATE	610 UG/KG	J	
	FLUORANTHENE	800 UG/KG	J	
	IRGASAN DP-300	220000 UG/KG		
	NAPHTHALENE	380 UG/KG	J	
	PHENANTHRENE	630 UG/KG	J	
	TRCDF	110000 UG/KG		
	TCDF	36 NG/G		828SSN
	ARSENIC	6.3 MG/KG		ASGSSA
	MERCURY	.33 MG/KG		HGC_SN
	BARIUM	32.4 MG/KG		ICPSSN
	BERYLLIUM	.61 MG/KG		
	CALCIUM	5840 MG/KG		
	CHROMIUM	7.6 MG/KG		
	COBALT	3.9 MG/KG		
	COPPER	6.6 MG/KG		
	IRON	11100 MG/KG		
	MAGNESIUM	1530 MG/KG		
	MANGANESE	284 MG/KG		
	NICKEL	5.2 MG/KG		
	POTASSIUM	971 MG/KG		
	SODIUM	308 MG/KG		
	VANADIUM	7.7 MG/KG		
	ZINC	51.8 MG/KG		
	LEAD	12 MG/KG		PBGSSA

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: DUPLICATE SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
DUP-3	GAMMA-BHC	2.5 UG/KG	J	808SSN
	PCB-1254	1900 UG/KG	J	
	2,4-D	7.6 UG/KG	J	815SSA
	ETHYLBENZENE	48 UG/KG	J	824KSN
	M&P-XYLENE	230 UG/KG		
	METHYLENE CHLORIDE	180 UG/KG	U	
	O-XYLENE	46 UG/KG	J	
	TETRACHLOROETHENE	52 UG/KG	J	
	BENZO(A)ANTHRACENE	260 UG/KG	J	827KSN
	BENZO(A)PYRENE	270 UG/KG	J	
	BENZO(B)FLUORANTHENE	530 UG/KG	J	
	BENZO(K)FLUORANTHENE	670 UG/KG	J	
	CHRYSENE	310 UG/KG	J	
	FLUORANTHENE	350 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	280 UG/KG	J	
	NAPHTHALENE	210 UG/KG	J	
	PHENANTHRENE	79 UG/KG	J	
	PYRENE	350 UG/KG	J	
	ARSENIC	5.3 MG/KG	J	ASGSSA
	CYANIDE	8.7 MG/KG	J	CNTSSA
	BARIUM	41 MG/KG		ICPSSN
	BERYLLIUM	.5 MG/KG		
	CALCIUM	1390 MG/KG	J	
	CHROMIUM	11.8 MG/KG		
	COBALT	4.2 MG/KG		
	COPPER	14.4 MG/KG		
	IRON	14500 MG/KG		
	MAGNESIUM	2100 MG/KG	J	
	MANGANESE	220 MG/KG	J	
	NICKEL	8.8 MG/KG	ND	
	POTASSIUM	603 MG/KG	J	
	SODIUM	104 MG/KG	ND	

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CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: DUPLICATE SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
DUP-3	VANADIUM	15.2 MG/KG		ICPSSN
	ZINC	44.9 MG/KG		
	LEAD	12.9 MG/KG	J	PBGSSA

68 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

DUPLICATE SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
DUP-2	UNKNOWN	220000 UG/KG	J	824KSN
	1,1'-BIPHENYL	4100 UG/KG	J	827KSN
	BENZENE,1,1'-OXYBIS-	14000 UG/KG	J	
	UNKNOWN	39000 UG/KG	J	
	UNKNOWN_1	13000 UG/KG	J	
DUP-3	UNKNOWN_10	1800 UG/KG	J	827KSN
	UNKNOWN_14	590 UG/KG	J	
	UNKNOWN_4	590 UG/KG	J	

TICs

8 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Laboratory Analytical Data

Medium: BACKGROUND SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SF-BG-BP	ISODRIN	3.2	UG/KG		808SSN
	METHYL PARATHION	4.6	UG/KG	J	814SSN
	2-METHYLNAPHTHALENE	570	UG/KG	J	827KSN
	ACENAPHTHENE	820	UG/KG	J	
	ACENAPHTHYLENE	280	UG/KG	J	
	ANTHRACENE	4200	UG/KG		
	BENZO(A)ANTHRACENE	6600	UG/KG		
	BENZO(A)PYRENE	5000	UG/KG		
	BENZO(B)FLUORANTHENE	8200	UG/KG		
	BENZO(G,H,I)PERYLENE	3700	UG/KG		
	BENZO(K)FLUORANTHENE	8600	UG/KG		
	CHRYSENE	6300	UG/KG		
	DIBENZ(A,H)ANTHRACENE	1000	UG/KG	J	
	DIBENZOFURAN	1500	UG/KG		
	FLUORANTHENE	14000	UG/KG		
	FLUORENE	1700	UG/KG		
	INDENO(1,2,3-CD)PYRENE	4600	UG/KG		
	NAPHTHALENE	880	UG/KG	J	
	PHENANTHRENE	12000	UG/KG		
	PYRENE	12000	UG/KG		
	ARSENIC	8.4	MG/KG	J	ASGSSA
	MERCURY	.28	MG/KG		HGC SN
	BARIUM	49.1	MG/KG		ICPSSN
	BERYLLIUM	.73	MG/KG		
	CADMIUM	.52	MG/KG		
	CALCIUM	1200	MG/KG	J	
	CHROMIUM	11.8	MG/KG		
	COBALT	5.2	MG/KG		
	COPPER	14.3	MG/KG		
	IRON	13800	MG/KG		
	MAGNESIUM	1520	MG/KG	J	
	MANGANESE	379	MG/KG	J	
	NICKEL	10	MG/KG	ND	
	POTASSIUM	561	MG/KG	J	
	VANADIUM	19.3	MG/KG		
	ZINC	79	MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Laboratory Analytical Data

Medium: BACKGROUND SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF-BG-BP	LEAD	90 MG/KG	J	PBGSSA
	TIN	97.2 MG/KG		SNEKSN
SF-BG-ND	ENDOSULFAN SULFATE	6.1 UG/KG	J	808SSN
	DISULFOTON	2.4 UG/KG	J	814SSN
	ETHYL PARATHION	4.1 UG/KG	J	
	METHYL PARATHION	2.8 UG/KG	J	
	METHYLENE CHLORIDE	64 UG/KG	J	824KSN
	ACENAPHTHENE	63 UG/KG	J	827KSN
	ANTHRACENE	180 UG/KG	J	
	BENZO(A)ANTHRACENE	820 UG/KG	J	
	BENZO(A)PYRENE	640 UG/KG	J	
	BENZO(B)FLUORANTHENE	1400 UG/KG		
	BENZO(G,H,I)PERYLENE	520 UG/KG	J	
	BENZO(K)FLUORANTHENE	1400 UG/KG		
	BIS(2-ETHYLHEXYL)PHTHALATE	1300 UG/KG	U	
	CHRYSENE	1100 UG/KG	J	
	DIBENZOFURAN	61 UG/KG	J	
	FLUORANTHENE	2100 UG/KG		
	FLUORENE	100 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	790 UG/KG	J	
	NAPHTHALENE	41 UG/KG	J	
	PHENANTHRENE	1700 UG/KG		
	PYRENE	1900 UG/KG		
	ARSENIC	36.9 MG/KG	J	ASGSSA
	MERCURY	.06 MG/KG	ND	HGC_SN
	BARIUM	17.9 MG/KG		ICPSSN
	BERYLLIUM	.4 MG/KG		
	CALCIUM	715 MG/KG	J	
	CHROMIUM	7.3 MG/KG		
	COBALT	1.9 MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Laboratory Analytical Data

Medium: BACKGROUND SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF-BG-ND	COPPER	5.6 MG/KG		ICPSSN
	IRON	8590 MG/KG		
	MAGNESIUM	703 MG/KG	J	
	MANGANESE	137 MG/KG	J	
	NICKEL	2.9 MG/KG	ND	
	POTASSIUM	364 MG/KG	J	
	VANADIUM	12.7 MG/KG		
	ZINC	22.7 MG/KG		
	LEAD	166 MG/KG	J	PBGSSA
<hr/>				
SF-BG-PH	4,4'-DDE	1.1 UG/KG		808SSN
	METHYL PARATHION	3.9 UG/KG	J	814SSN
	1,2-DIBROMO-3-CHLOROPROPAN	430 UG/KG		824KSN
	DICHLORODIFLUOROMETHANE	430 UG/KG		
	METHYLENE CHLORIDE	58 UG/KG	J	
	ANTHRACENE	41 UG/KG	J	827KSN
	BENZO(A)ANTHRACENE	320 UG/KG	J	
	BENZO(A)PYRENE	370 UG/KG	J	
	BENZO(B)FLUORANTHENE	600 UG/KG	J	
	BENZO(G,H,I)PERYLENE	490 UG/KG	J	
	BENZO(K)FLUORANTHENE	630 UG/KG	J	
	CHRYSENE	430 UG/KG	J	
	FLUORANTHENE	740 UG/KG	J	
	INDENO(1,2,3-CD)PYRENE	570 UG/KG	J	
	PHENANTHRENE	420 UG/KG	J	
	PYRENE	610 UG/KG	J	
	ARSENIC	5.2 MG/KG	J	ASGSSA
	MERCURY	.05 MG/KG	ND	HGC_SN
	BARIUM	12.1 MG/KG		ICPSSN
	BERYLLIUM	.25 MG/KG		
	CALCIUM	636 MG/KG	J	
	CHROMIUM	7.4 MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Laboratory Analytical Data

Medium: BACKGROUND SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF-BG-PH	COBALT	2.7 MG/KG		ICPSSN
	COPPER	3.8 MG/KG		
	IRON	8620 MG/KG		
	MAGNESIUM	1390 MG/KG	J	
	MANGANESE	106 MG/KG	J	
	NICKEL	7.6 MG/KG	ND	
	POTASSIUM	457 MG/KG	J	
	VANADIUM	11.3 MG/KG		
	ZINC	17.4 MG/KG		
	LEAD	11.8 MG/KG	J	PBGSSA
<hr/>				
SF-BG-WS	4,4'-DDE	25 UG/KG	J	808SSN
	4,4'-DDT	28 UG/KG	J	
	ETHYL PARATHION	3.4 UG/KG	J	814SSN
	METHYL PARATHION	4.4 UG/KG	J	
	METHYLENE CHLORIDE	78 UG/KG	J	824KSN
	BIS(2-ETHYLHEXYL)PHTHALATE	2300 UG/KG	U	827KSN
	FLUORANTHENE	96 UG/KG	J	
	PHENANTHRENE	52 UG/KG	J	
	PYRENE	100 UG/KG	J	
	ARSENIC	18.4 MG/KG	J	ASGSSA
	BARIUM	24.2 MG/KG		ICPSSN
	BERYLLIUM	.53 MG/KG		
	CALCIUM	1240 MG/KG	J	
	CHROMIUM	13 MG/KG		
	COBALT	5 MG/KG		
	COPPER	5.7 MG/KG		
	IRON	14100 MG/KG		
	MAGNESIUM	1770 MG/KG	J	
	MANGANESE	152 MG/KG	J	
	NICKEL	7.3 MG/KG	ND	
	POTASSIUM	589 MG/KG	J	
	VANADIUM	23.7 MG/KG		

CIBA-GEIGY/Cranston Site

Validated Round 1 Laboratory Analytical Data

Medium: BACKGROUND SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	QUAL METHOD
SF-BG-WS	ZINC	25.8 MG/KG		ICPSSN
	LEAD	24 MG/KG	J	PBGSSA

131 records selected.

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BACKGROUND SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA UNITS	QUAL QC2	METHOD
SF-BG-BP	C17-PNA	1600 UG/KG	J	827KSN
	C2-NAPHTHALENE	450 UG/KG	J	
	C20-PNA	6400 UG/KG	J	
	TRIPHENYLENE	990 UG/KG	J	
	UNKNOWN HYDROCARBON	560 UG/KG	J	
	UNKNOWN HYDROCARBON_10	4200 UG/KG	J	
	UNKNOWN_26	1900 UG/KG	J	
	UNKNOWN_6	1400 UG/KG	J	
	UNKNOWN_7	650 UG/KG	J	
	UNKNOWN_8	8900 UG/KG	J	
	UNKNOWN_9	9800 UG/KG	J	
SF-BG-ND	UNKNOWN_25	740 UG/KG	J	827KSN
	UNKNOWN_3	780 UG/KG	J	
	UNKNOWN_4	850 UG/KG	J	
	UNKNOWN_5	900 UG/KG	J	
SF-BG-PH	UNKNOWN_1	220 UG/KG	J	824KSN
	UNKNOWN_2	2200 UG/KG	J	
	UNKNOWN_24	2100 UG/KG	J	
	C17-PNA	530 UG/KG	J	827KSN
	PINENE	2600 UG/KG	J	
	UNKNOWN CARBOXYLIC ACID ES	6100 UG/KG	J	
	UNKNOWN_11	3600 UG/KG	J	
	UNKNOWN_12	2900 UG/KG	J	
	UNKNOWN_13	1600 UG/KG	J	
	UNKNOWN_14	950 UG/KG	J	
	UNKNOWN_15	790 UG/KG	J	
	UNKNOWN_16	880 UG/KG	J	
	UNKNOWN_27	580 UG/KG	J	
SF-BG-WS	UNKNOWN HYDROCARBON	870 UG/KG	J	827KSN
	UNKNOWN HYDROCARBON_17	3200 UG/KG	J	
	UNKNOWN HYDROCARBON_20	6300 UG/KG	J	

TIC's

CIBA-GEIGY/Cranston Site

Validated Round 1 Analytical Laboratory Data

Medium: BACKGROUND SAMPLES

SAMPLE NUMBER	ANALYTE NAME	VALID DATA	UNITS	QUAL QC2	METHOD
SF-BG-WS	UNKNOWN HYDROCARBON_22	710	UG/KG	J	827KSN
	UNKNOWN HYDROCARBON_23	1700	UG/KG	J	
	UNKNOWN_18	680	UG/KG	J	
	UNKNOWN_19	860	UG/KG	J	
	UNKNOWN_21	2400	UG/KG	J	
	UNKNOWN_28	2200	UG/KG	J	

TIC's

37 records selected.

APPENDIX 1

Comparison of Validated Dioxin/Furan Data

**CIBA-GEIGY Facility
Cranston, Rhode Island**

APPENDIX 1

COMPARISON OF VALIDATED DIOXIN AND FURAN DATA

1. Introduction

Samples of water, soil, and sediment collected in Rounds 1 and 2 of sampling at the former CIBA-GEIGY facility near Cranston, Rhode Island, were analyzed by Radian for those polychlorinated dibenzo-*p*-dioxins and dibenzofurans (CDDs, CDFs) specified in Appendix IX (EPA, 1988). Radian also analyzed "performance evaluation" samples from EPA during both rounds. In mid-March 1991 CIBA-GEIGY was informed by EPA Region I that Radian's results were not satisfactory for one of the two performance evaluation samples analyzed along with Round 1 samples, because they overestimated the amount of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (2,3,7,8-TCDD) in one of the two performance evaluation samples, according to EPA Region I.

The performance evaluation results raised a question of the potential for overreporting in those analyses by Radian which showed hits for CDDs and CDFs. Therefore, CIBA-GEIGY selected a subset of samples in which Radian reported hits and arranged for re-analysis by another reputable laboratory, Enseco of California. Enseco's quality assurance plan will be submitted for EPA Region I's review and approval. In mid-April it was learned that both Radian and Enseco had satisfactorily analyzed a second round of performance evaluation.

This report compares analyses of CDDs and CDFs generated by Radian and Enseco and discusses the limitations of those data.

2. Results

Results for samples analyzed by both laboratories from Rounds 1 and 2 are presented in Tables A-1 and A-2. One set of values is reported by Radian for each sample. If Enseco experienced less than 40% recovery for an internal standard, then they did a second

extraction on a smaller amount of sample. Thus, two sets of values from Enseco are presented for nine of the ten samples in Tables A-1 and A-2.

Radian reported higher values than Enseco in Round 1 samples for various tetra-, penta-, and hexa-CDDs and -CDFs. This is most striking in samples SD-05L and SD-07L, where Radian reported hundreds to thousands of nanograms of hexa-CDD and -CDF per gram of sample, while Enseco detected none. In Round 2 samples Radian tended to find fewer positive hits than in Round 1 (Table A-2). Concordance of results between the two laboratories was better for Round 2 results than for Round 1.

Enseco performed and reported its customary analysis for CDDs and CDFs, which included the hepta- and octachlorinated forms. Enseco reported positive hits for one or more hepta- or octa-CDDs or -CDFs in nine of ten samples analyzed. Radian did not report any data for these isomers. The reason for this difference is clear. Radian followed their instructions to analyze for and report the tetra-, penta-, and hexa-CDDs and -CDFs only, because a footnote to Appendix IX (EPA, 1988) explicitly limits the list of analytes to these isomers.

Tables A-1 and A-2 also show the numbers of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (2,3,7,8-TCDD) equivalents in each sample, calculated using toxicity equivalency factors according to the method of EPA (1989). Toxicity equivalency factors express the toxicity of each 2,3,7,8- isomer relative to 2,3,7,8-TCDD, which is assigned a value of 1. 2,3,7,8-TCDD equivalents are used for estimating risks associated with exposure to environmental media containing CDDs and CDFs. Calculations of total equivalents in Round 1 (Table A-1) using Radian's and Enseco's data differ by as much as five orders of magnitude (SD-05L). Further, nearly all of the 2,3,7,8-TCDD equivalents found by Enseco were calculated from positive hits for hepta- and octa-CDDs and -CDFs, whereas all the equivalents from the Radian data were calculated from tetra-, penta-, and hexa-CDDs and -CDFs. Thus, the total 2,3,7,8-TCDD equivalents using Enseco's results are qualitatively different from Radian's total equivalents, even in the cases where the values are quantitatively similar. In Round 2 (Table A-2), Radian and Enseco reported similar results, except for the small

amounts of hepta- and octa- isomers reported by Enseco.

3. Discussion and Conclusions

Radian and Enseco analyzed the same samples for CDDs and CDFs. Results from the two laboratories differed in that a number of qualified and unqualified positive hits reported by Radian were not confirmed by Enseco. Comparability between the two laboratories was poor in Round 1 samples, although it was improved in Round 2. Of the 10 unqualified positive hits reported by Radian in Round 1 samples, none was confirmed by Enseco. Of the 23 qualified positive hits, just one was confirmed by Enseco. Enseco confirmed two of Radian's five unqualified positive hits in Round 2 and one of the two qualified positive hits. Although these data differ, both have passed validation. Therefore, both data sets will be used to identify areas of potential contamination for a future round of sampling to be described in the Phase II proposal.

Neither Enseco's nor Radian's data present evidence of widespread contamination with CDDs or CDFs. In addition, the highest concentrations of CDDs and CDFs identified to date were taken from river sediment. Therefore, no human exposure is expected.

4. References

- 4.1 CIBA-GEIGY Corporation (1991), "Quality assurance objectives for measurement data in terms of precision, accuracy, completeness, representativeness, and comparability," Volume 2, Chapter 4, Section 5 in RCRA Facility Investigation Proposal, CIBA-GEIGY Facility, Cranston Rhode Island, 1 February 1991.**
- 4.2 EPA (1987), "Data quality objectives for remedial response activities. Volume 1 Development process," March, 1987, EPA Publication No. EPA/540/G-87/003A.**

- 4.3 EPA (1988), "Appendix IX ground water monitoring list," *Federal Register*, 52:25946, 9 July 1988.
- 4.4 EPA (1989), "Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and dibenzofurans (CDDs and CDFs) and 1989 update," EPA Publication No. EPA/625/3-89/016, NTIS Publication No. PB90-145756.

TABLE A-1

**POLYCHLORINATED DIBENZODIOXINS AND DIBENZOFURANS REPORTED BY RADIAN AND ENSECO FROM ROUND 1
SAMPLES OF SOIL AND SEDIMENT AT THE FORMER CIBA-GEIGY FACILITY AT CRANSTON, RHODE ISLAND (ng/g)**

TABLE A-1 (CONT'D)

SAMPLE / LABORATORY	2378- OTHER TCDD	2378- OTHER TCDD	2378- OTHER PeCDD	2378- OTHER HxCDD	2378- OTHER HpCDD	2378- OTHER OCDD	2378- OTHER TCDF	2378- OTHER TCDF	2378- OTHER PeCDF	2378- OTHER PeCDF	2378- OTHER HxCDF	2378- OTHER HpCDF	2378- OTHER HpCDF	TOTAL 2378- OCDF				
SF-A13-J40(S) (90% SOLIDS)																		
RADIAN (25 g)	0.16 u	0.16 u	0.16 u	0.16 u	0.27 u	0.27 u	NR	NR	NR	0.10 u	0.87 EM	0.11 u	0.1 u	0.2 u	0.18 u	NR	NR	
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	
2378-TCDD Equivs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Int Std Recovery (%)	71		72		71					81		66		66			0	
ENSECO (10 g)	0.09 u	0.09 u	0.27 u	0.27 u	0.04 u	0.04 u	0.46	0.36	3.56	0.03 u	0.03 u	0.04 u	0.04 u	0.02 u	0.02 u	0.13	0.09	0.04 u
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001
2378-TCDD Equivs	0	0	0	0	0	0	5E-3	0	4E-3	0	0	0	0	0	0	1E-3	0	0
Int Std Recovery (%)	4		10		25		33		41	3							0.009	
ENSECO (1 g)	0.12 u	0.12 u	0.34 u	0.34 u	0.33 u	0.33 u	0.71 u	0.71 u	4.22	0.12 u	0.12 u	0.11 u	0.11 u	0.21 u	0.21 u	0.39 u	0.39 u	1.56 u
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001
2378-TCDD Equivs	0	0	0	0	0	0	0	0	4E-3	0	0	0	0	0	0	0	0	0.004
Int Std Recovery (%)	34		40		46		34		30	34								
SF-S5-C2(D) (80% SOLIDS)																		
RADIAN (25 g)	0.12 u	0.12 u	0.14 u	0.23 EM	0.20 u	0.20 u	NR	NR	NR	0.09 u	0.15 EM	0.10 u	0.1 EM	0.2 u	1.08 EM	NR	NR	NR
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001
2378-TCDD Equivs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Int Std Recovery (%)	82		75		85					81		74		67				
ENSECO (10 g)	0.05 u	0.05 u	0.05 u	0.05 u	0.02 u	0.02 u	1.04	0.84	7.75	0.08 u	0.91	0.01 u	0.01 u	0.35	0.02 u	0.62	1.63	0.05 u
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001
2378-TCDD Equivs	0	0	0	0	0	0	0.01	0	8E-3	0	0	0	0	0.04	0	6E-3	0	0
Int Std Recovery (%)	10		24		52		55		59	5								0.059
ENSECO (1 g)	0.04 u	0.04 u	0.03 u	0.03 u	0.24 u	0.24 u	1.50 u	1.50 u	9.13	0.07 u	0.07 u	0.08 u	0.08 u	0.18 u	0.18 u	0.86	2.38	5.75
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001
2378-TCDD Equivs	0	0	0	0	0	0	0	0	9E-3	0	0	0	0	0	0	9E-3	0	6E-3
Int Std Recovery (%)	63		68		75		55		48	48								0.023

Abbreviations: -CDD = Chlorinated dibenzo-p-dioxin -CDF = Chlorinated dibenzofuran T = Tetra- Pe = Penta Hx = Hexa- Hp = Hepta- O = Octa-
U = Not Detected EM = Estimated Maximum NR = Not Reported Int Std = Internal Standard

Notes:

- (1) Enseco data reported on a wet weight basis were converted to dry weight using percent solids as reported by Radian.
(2) 2,3,7,8-TCDD equivalents were calculated using toxicity equivalency factors, according to the method of EPA (1989).

TABLE A-2

**POLYCHLORINATED DIBENZODIOXINS AND DIBENZOFURANS REPORTED BY RADIAN AND ENSECO FROM ROUND 2
SAMPLES OF SOIL AND SEDIMENT AT THE FORMER CIBA-GEIGY FACILITY AT CRANSTON, RHODE ISLAND (ng/g)**

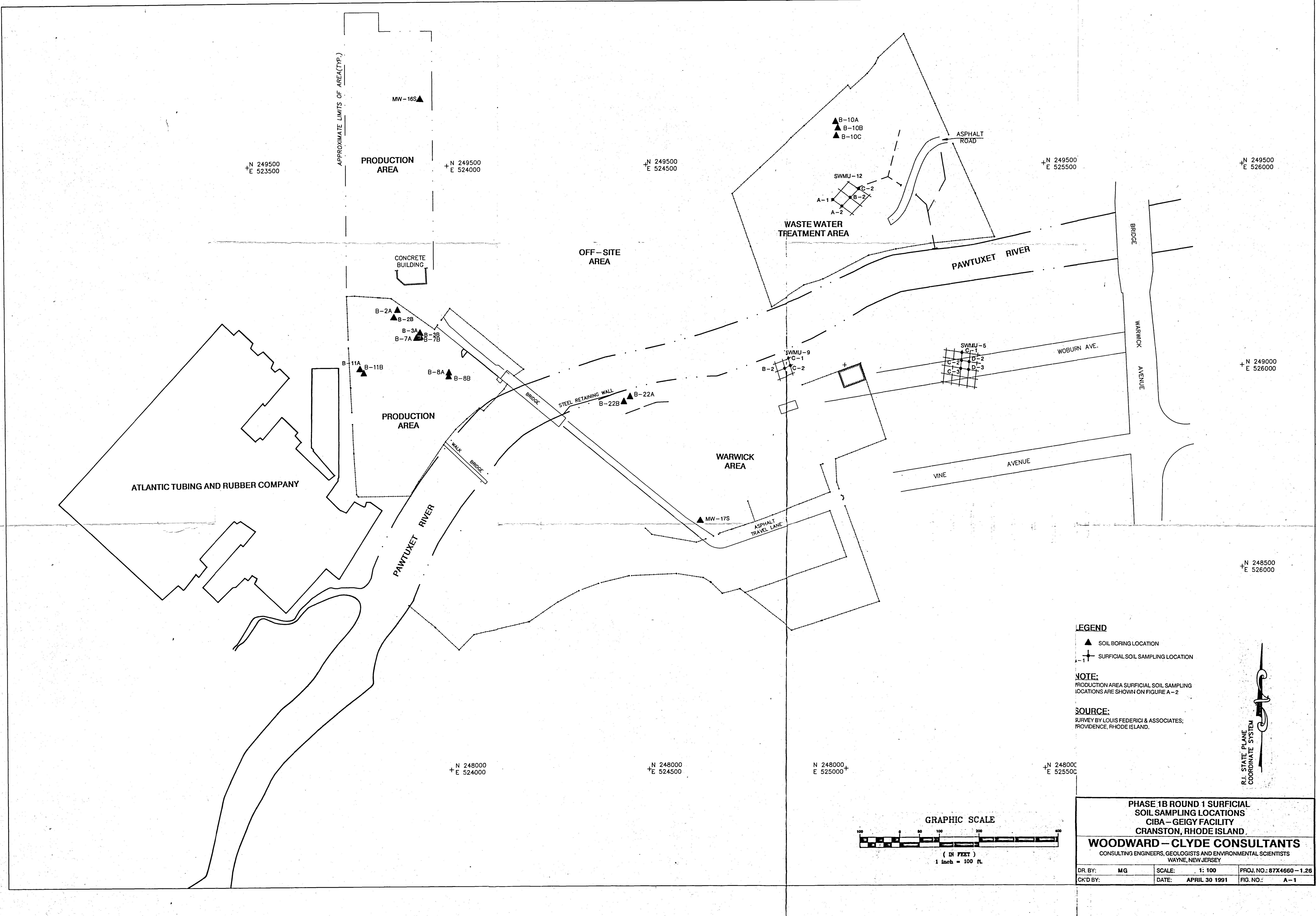
TABLE A-2 (CONT'D)

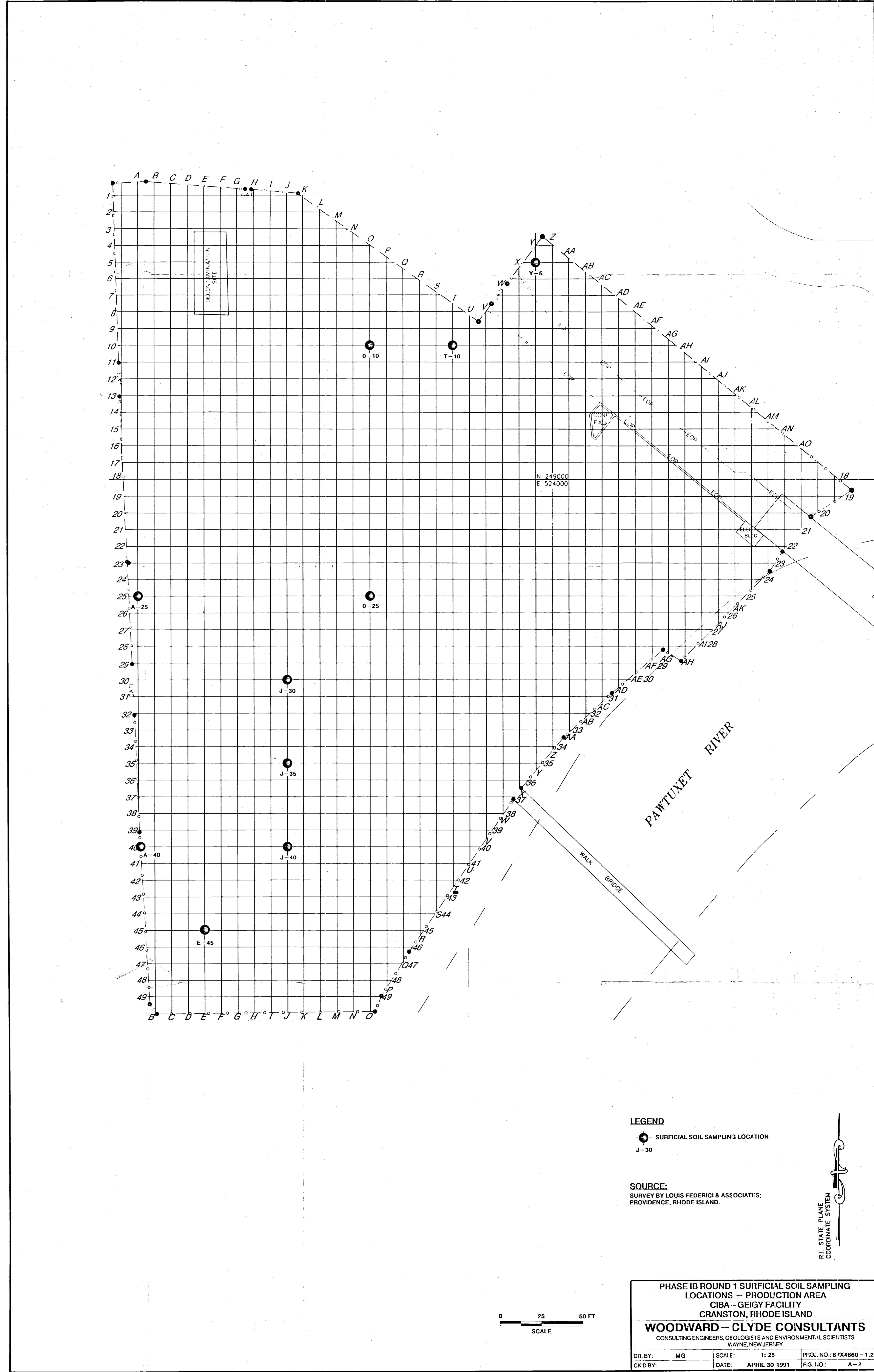
SAMPLE / LABORATORY	2378- OTHER TCDD	2378- OTHER TCDD	2378- OTHER PeCDD	2378- OTHER PeCDD	2378- OTHER HxCDD	2378- OTHER HxCDD	2378- OTHER HpCDD	2378- OTHER HpCDD	2378- OTHER OCDD	2378- OTHER TCDF	2378- OTHER TCDF	2378- OTHER PeCDF	2378- OTHER PeCDF	2378- OTHER HxCDF	2378- OTHER HxCDF	2378- OTHER HpCDF	2378- OTHER HpCDF	TOTAL 2378- OCDF	TOTAL 2378- TCDD EQUIVS
SD-O7L-1B-2 (34% SOLIDS)																			
RADIAN (10 g)																			
Toxicity Equiv Factor	0.17 u	0.17 u	0.19 u	0.19 u	0.3 u	0.3 u	NR	NR	NR	0.11 u	0.11 u	0.12 u	0.1 u	0.18 u	0.2 u	NR	NR		
2378-TCDD Equvs	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001	
Int Std Recovery (%)	91	99	99	102						97	95	95	91					0	
ENSECO (10 g)	0.04 u	0.04 u	0.06 u	0.06 u	0.05 u	0.05 u	0.32	0.32	3.82	0.03 u	0.03 u	0.01 u	0.01 u	0.02 u	0.02 u	0.03 u	0.03 u	0.16 u	
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001	
2378-TCDD Equvs	0	0	0	0	0	0	3E-3	0	4E-3	0	0	0	0	0	0	0	0	0.007	
Int Std Recovery (%)	51	64	64	86			67		78	37									
ENSECO (1 g)	0.21 u	0.21 u	0.56 u	0.56 u	0.50 u	0.50 u	0.88 u	0.88 u	2.03 u	0.16 u	0.16 u	0.14 u	0.14 u	0.41 u	0.41 u	0.44 u	0.44 u	2.94 u	
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001	
2378-TCDD Equvs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Int Std Recovery (%)	43	47	47	49			35		31	46									
SD-DUP-1B-2 (30% SOLIDS)																			
<i>(Handwritten mark)</i>																			
RADIAN (10 g)	0.22 u	0.22 u	0.24 u	0.24 u	0.4 u	0.4 u	NR	NR	NR	0.14 u	0.14 u	0.14 u	0.1 u	0.24 u	0.2 u	NR	NR		
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001	
2378-TCDD Equvs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Int Std Recovery (%)	82	91	91	81						88	87	87	80						
ENSECO (10 g)	0.04 u	0.04 u	0.13 u	0.13 u	0.06 u	0.06 u	0.23	0.23	0.53	0.04 u	0.04 u	0.02 u	0.02 u	0.05 u	0.05 u	0.07 u	0.07 u	0.37 u	
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001	
2378-TCDD Equvs	0	0	0	0	0	0	2E-3	0	3E-3	0	0	0	0	0	0	0	0	0.005	
Int Std Recovery (%)	43	58	58	79			69		76	29									
ENSECO (1 g)	0.26 u	0.26 u	1.27 u	1.27 u	1.13 u	1.13 u	2.03 u	2.03 u	6.00 u	0.18 u	0.18 u	0.24 u	0.24 u	0.73 u	0.73 u	0.90 u	0.90 u	6.00 u	
Toxicity Equiv Factor	1	0	0.5	0	0.1	0	0.01	0	0.001	0.1	0	0.5	0	0.1	0	0.01	0	0.001	
2378-TCDD Equvs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Int Std Recovery (%)	66	59	59	60			36		27	60									

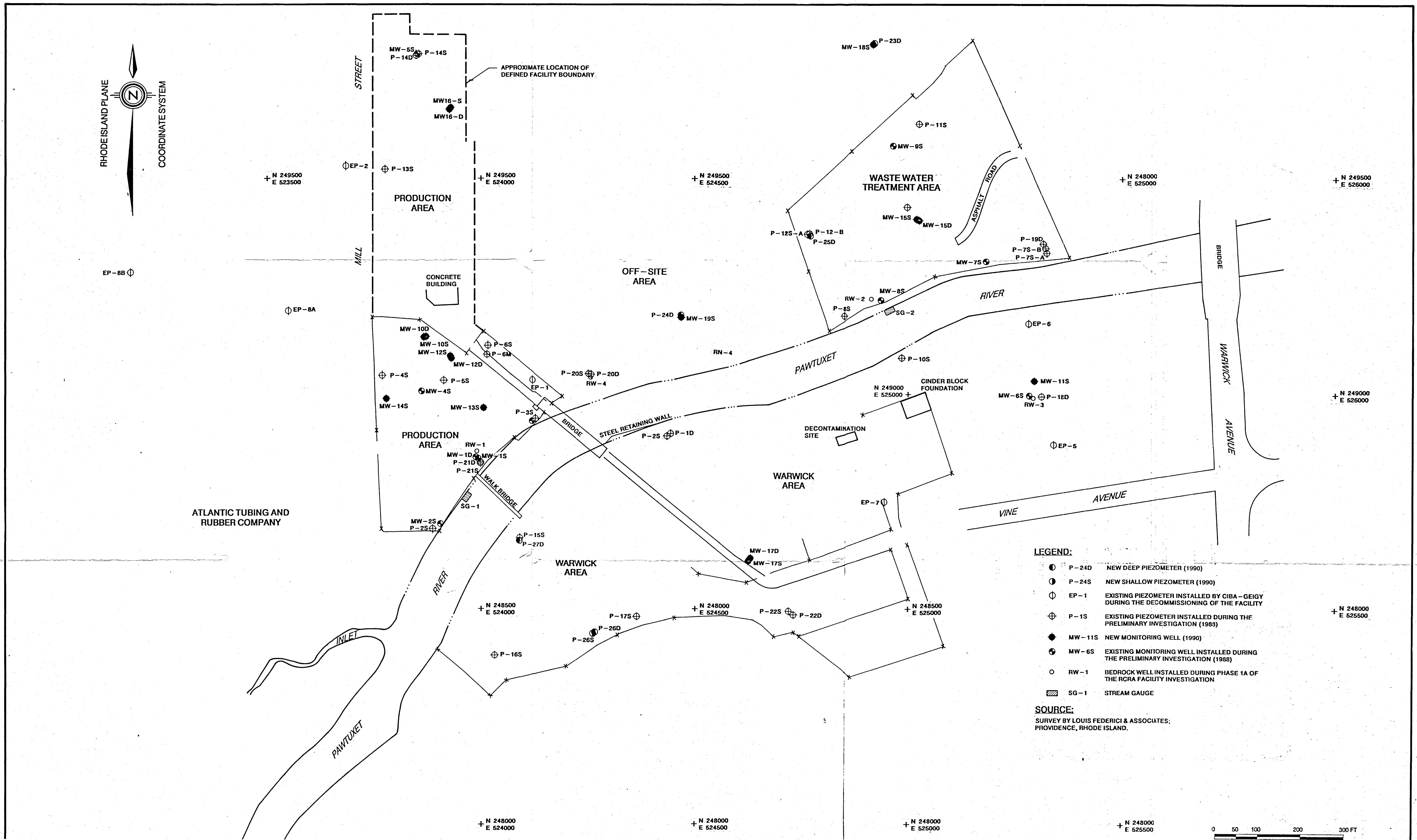
Abbreviations: -CDD = Chlorinated dibenzo-p-dioxin -CDF = Chlorinated dibenzofuran T = Tetra- Pe = Penta Hx = Hexa- Hp = Hepta- O = Octa-
U = Not Detected EM = Estimated Maximum NR = Not Reported Int Std = Internal Standard

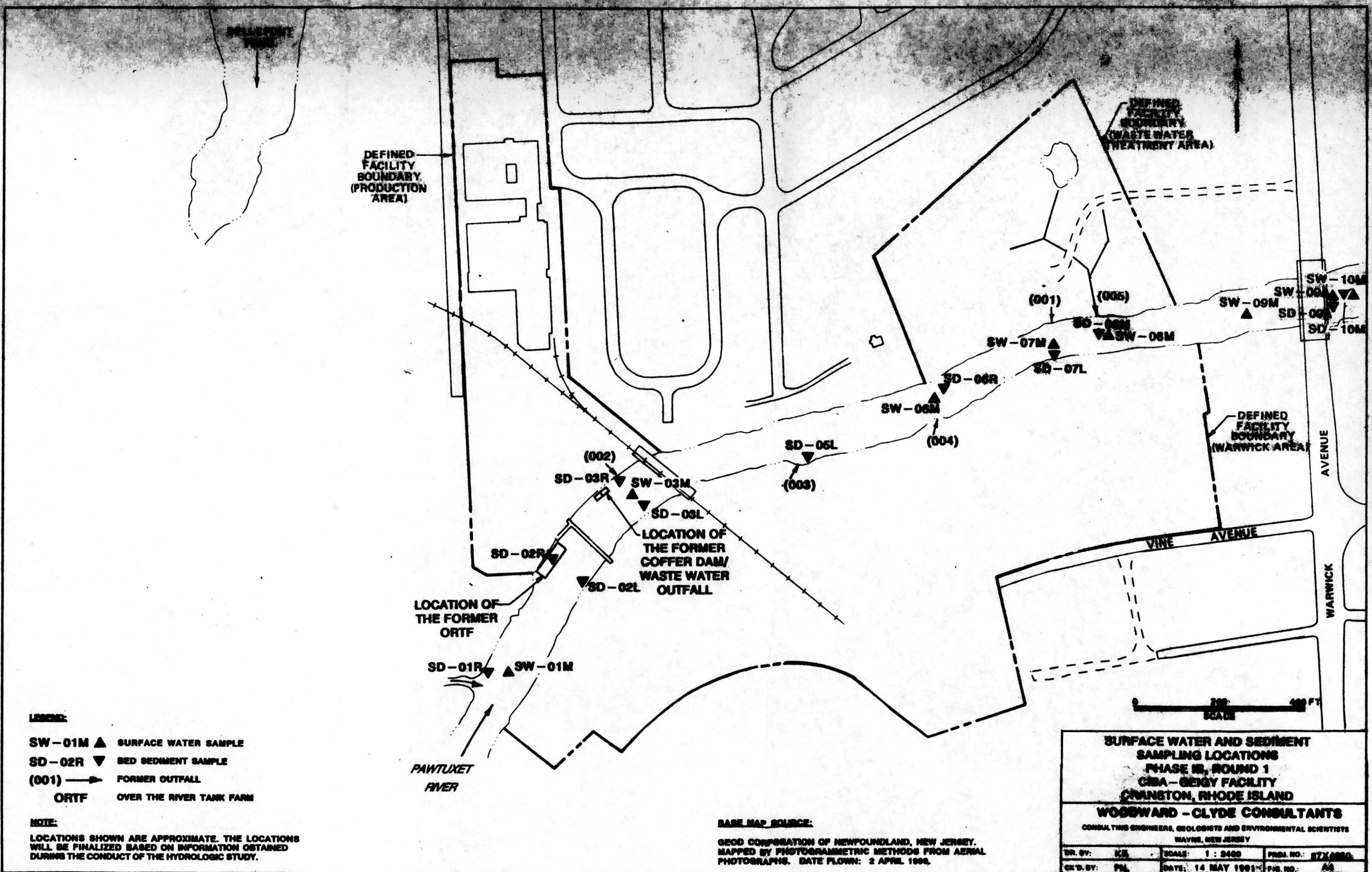
Notes:

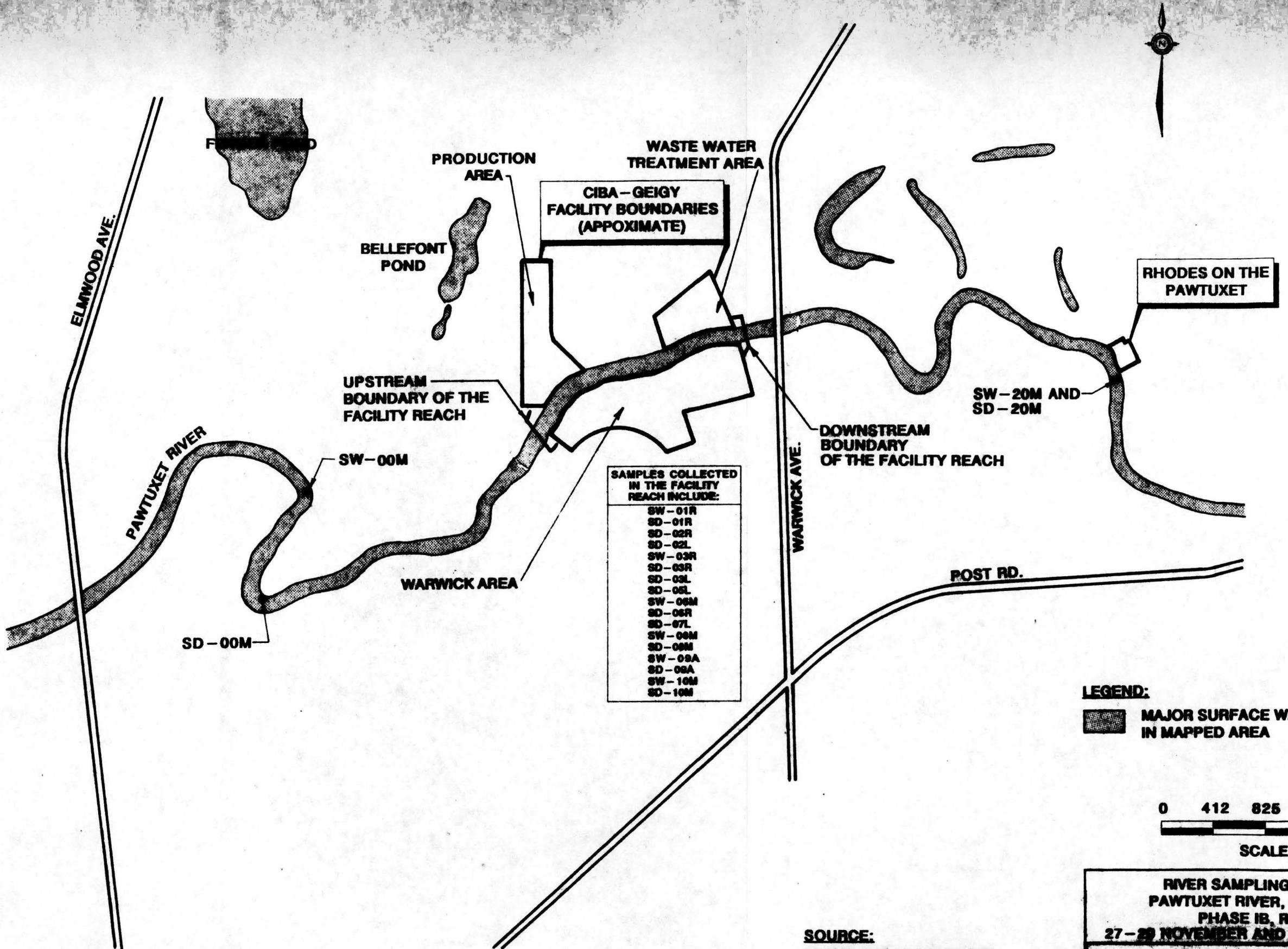
- (1) Enseco data reported on a wet weight basis were converted to dry weight using percent solids as reported by Radian.
(2) 2,3,7,8-TCDD equivalents were calculated using toxicity equivalency factors, according to the method of EPA (1989).











LEGEND:
■ MAJOR SURFACE WATER BODIES
IN MAPPED AREA

0 412 825 1237 1650 FT

SCALE

RIVER SAMPLING LOCATIONS
PAWTUXET RIVER, CRANSTON, RI
PHASE IB, ROUND 1
27-28 NOVEMBER AND 7 DECEMBER, 1990

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SOURCE:
AERIAL PHOTOGRAPHS BY
GEOD CORPORATION OF
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DATE FLOWN: 2 APRIL 1989